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

| PAPERS LAID        |                           |
|--------------------|---------------------------|
| DATE               | <sup>th</sup> 11 OCT 2022 |
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## LIST OF ABBREVIATIONS

The following abbreviations are used in this Report

| Abbreviation | Full Description                                       |
|--------------|--------------------------------------------------------|
| CEPI         | County Extended Programme and Immunization             |
| eLMIS        | Electronic Logistics Management Information System     |
| FIFO         | First In, First Out                                    |
| GOK          | Government Of Kenya                                    |
| HR           | Human Resource                                         |
| NVIP         | National Vaccines and Immunization program             |
| UNICEF       | United Nations International Children's Emergency Fund |
| 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 vaccine's rollout in Kisumu County. The audit involved review of budget, sources of the vaccines, storage, distribution, utilization and disposal of the vaccines, human resource, coordination of players and monitoring and supervision.

The Government of Kenya commissioned use of the Chanjo System to manage the vaccines rollout and used existing structures of immunization to roll out the Covid-19 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, the governance, and the 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**

Kisumu County received 644,495 doses of various types of vaccines during the period under review. Out of the total Covid-19 vaccine doses received in the County, 560,332 doses were administered, while 57,961 vaccine doses were still in stock as at the time of the audit cutoff date of 31 March, 2022. The balance of 26,212 vaccine doses comprised of 8,950 expired or wasted and an unexplained deficit variance of 17,262 doses as at 31 March, 2022.

### **1.4.2 Budget**

A review of the Kisumu County health services budget for the financial year 2021/2022 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 was from the Government of Kenya (GOK). These vaccines were received in Kisumu county through the Kisumu Regional Store.

The distribution flow was from the Regional store, to County store and Sub County stores to facilities which were administering the vaccines.

### **1.4.4 Storage of Vaccines**

The Kisumu County Stores complied to some extent with the storages conditions which had been set out for Covid-19 Vaccines. However, weaknesses were noted in the storage facilities including inadequate storage equipment and monitoring tools.

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

The Special Audit noted that a total of 8,950 Vaccine doses had expired, were damaged or had gone to waste. Out of 8,950 vaccine doses, 3,630 doses had been disposed together with other hospital waste while the balance of 5,320 had been returned to the County 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. Kisumu County Management explained that their trainings were undertaken through the assistance of the development partners. However, there were no proper records or documentation maintained for the trainings undertaken or provided.

#### **1.4.7 Coordination of Players**

The coordination of the exercise was done by the Kisumu County Covid-19 Vaccine Deployment and Vaccination Taskforce. However, appointment letters and minutes of the taskforce 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 keep minutes and attendance schedules to evidence the 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 the processes including failure to budget for the rollout, failure to fully adhere to waste disposal regulations, inadequate training, inadequate staff, inadequate tablets to access the Chanjo System and failure to provide data bundles to the staff updating data in the System. This impacted on the real time recording of information



in the Chanjo System and resulting to an unexplained variance (deficit) of 17,262 vaccine doses valued at Kshs.23,944,550 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 Kisumu 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 deployment plan for the vaccines on 5<sup>th</sup> March, 2021, with priority 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.

Kisumu County received its first consignment of Astra Zeneca-Oxford Covid-19 vaccine in April 2021, through the Kisumu Regional Vaccines Store. The vaccine doses were first administered at Jaramogi Oginga Odinga Hospital before being rolled out to the other facilities in the seven (7) Sub Counties. As of 31 March, 2022, the Special Audit team established that the County had received 644,495 vaccines doses as tabulated below:

| <b>Vaccine Type</b>   | <b>No of Doses</b> |
|-----------------------|--------------------|
| Moderna               | 78,960             |
| Janssen (Ad26.COV2-S) | 72,635             |
| Oxford/AstraZeneca    | 283,470            |
| Pfizer                | 209,430            |
| <b>Total</b>          | <b>644,495</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 Kenya. This was to be achieved through; review of budget, sources of the vaccines, storage, distribution, utilization and disposal of the vaccines, human resource, coordination of players and monitoring and supervision.

## 2.2 Terms of Reference

The following Terms of Reference (TORs) guided the Special Audit:

**Table 1-Terms of Reference (TOR)**

| TOR              | Detailed Procedures                                                                                                                                                                                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Budget</b> | <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> |

| TOR                    | Detailed Procedures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 from the different sources as well as the shelf life of vaccines and prices where applicable</li> <li>• Consider whether vaccines came with syringes or not and the effect</li> <li>• Vaccines Batch Numbers</li> <li>• Storage of defective vaccines/ expired</li> <li>• Recording of vaccines</li> <li>• Government clearance process for vaccines 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 vaccines/Syringes</li> <li>• Cost Vs Budget</li> </ul>                                                                                                                                                                                                                   |

| TOR               | Detailed Procedures                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. Distribution   | <ul style="list-style-type: none"> <li>• How the 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> <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>• Numbers expired</li> <li>• Recording and Accountability for vaccines received, utilized, unused and disposed.</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</li> <li>• Reports and feedback</li> <li>• Reconciliation of what was procured, utilized and unused and disposal</li> <li>• Costs vs budgets</li> </ul>                                                                                                                                                                    |
| 7. Human Resource | <ul style="list-style-type: none"> <li>• Number of persons involved</li> <li>• Roles and responsibilities</li> </ul>                                                                                                                                                                                                                                                                                                                                                     |



| <b>TOR</b>                                             | <b>Detailed Procedures</b>                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Matters<br/>(National<br/>and County<br/>Staff)</b> | <ul style="list-style-type: none"> <li>• Expertise (capacity/skills)</li> <li>• Duplication of roles is any</li> <li>• Selection and appointment criteria</li> <li>• Training Plans and Roll Out</li> <li>• Costs vs budgets</li> </ul>                                                                                     |
| <b>8. Coordination<br/>of players</b>                  | <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 of players?</li> <li>• Approval and appointment of taskforce and committees</li> <li>• Costs vs budgets</li> </ul> |
| <b>9. Monitoring<br/>and<br/>supervision</b>           | <ul style="list-style-type: none"> <li>• Is there a framework for coordination and communication 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 Team experienced challenges and limitations which were mitigated in several ways in order not to affect the quality and result of our findings. Some of the challenges and measures taken included:

- i) All the 90 vaccinating facilities in the county were not defined in the Chanjo System. The data was captured using the respective Sub County store. This called for 100% coverage of physical verification of records, stocks and visits to all facilities.
- ii) Inconsistent data as captured in the system verses actual on the ground. This called for 100% coverage of physical verification of records, stocks and visits to all facilities.
- iii) Under staffing at facilities. This was mitigated by allocating more time spent at the facilities.
- iv) Challenges in accessing the facilities due to poor road Network. This called for more hours spent by the team on the field visits.
- v) Vaccination undertaken at the facility level outside the Chanjo system. This was mitigated by corroborating the data in the physical ledgers with what was captured in the electronic ledger management information system (eLMIS).

## **2.4 Audit Approach and Methodology**

The Special Audit Team held entry and exit meetings with the Kisumu 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 a comparative analysis with records at the regional stores and vaccinating facilities.

### 2.4.3 Physical Verification

The audit team carried out physical verification in Kisumu regional store, the 7 Sub County Stores and all 90 vaccinating facilities in Kisumu County as detailed in **Appendix 1**.

### 2.4.4 Interviews

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

**Table 2-Interviews**

|    | Name               | Organization  | Designation                             |
|----|--------------------|---------------|-----------------------------------------|
| 1. | Dr. Gregory Ganda  | Kisumu County | Chief Officer Department of Health      |
| 2. | Dr. Elizabeth Oele | Kisumu County | Assistant Director of Medical Services. |
| 3. | Stephen Sewe       | Kisumu County | Chief Health Administrative Officer     |
| 4. | Florence Aketch    | Kisumu County | CEPI Logistician                        |

### 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 and an analysis of data maintained by eLMIS, Chanjo system and Kenya Health Information System. The information was shared with the audit Teams to inform the next phase.

Phase Two involved review of processes, data and verifications at regional office in Kisumu and vaccinating facilities in Kisumu County. This Phase also involved verification of samples already drawn in phase 1 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, and

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 County, bearing in mind the challenges and limitations experienced.



### 3.0 DETAILED FINDINGS

#### 3.1 Budget

##### 3.1.1 Unconfirmed Funding of Covid-19 Vaccination Services

A review of the County's health services budget for the financial year 2021/2022 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 require the accounting officer to ensure draft estimates relating to her or his department are prepared in conformity with the Constitution, the Act and these Regulations.

The 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 644,495 vaccine doses between 27 April, 2021 and 31 March, 2022 from the National Government. A review of the County's Health Services Budget for the financial year 2021/2022 revealed that no vaccine roll out budget was provided for. Further, the Special Audit revealed the following anomalies as summarized in Table 3 below and detailed in **Appendix 2**:

**Table 3- Weaknesses in Budgeting and Expenditure**

| Observation/Findings                                                                                                                                                     | Number of Compliant Sub-Counties | Number of Non-Compliant Sub-Counties |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------|
| Failure to budget for associated Covid-19 vaccination costs, including transportation, training and procurement of auxiliary services such as syringes and safety boxes. | 0                                | 7                                    |

| Observation/Findings                                                                                                                   | Number of Compliant Sub-Counties | Number of Non-Compliant Sub-Counties |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------|
| Lack of budgetary support for COVID-19 from donors/National government                                                                 | 0                                | 7                                    |
| Failure to spent budgetary support on COVID-19 vaccination.                                                                            | 0                                | 7                                    |
| Failure by the Sub County /Facility to finance Distribution of Vaccines, Outreaches, Trainings costs related to COVID- 19 vaccination; | 0                                | 7                                    |

### 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.

#### 3.2.1 Storage at the Regional Store

A review of documents provided for audit and physical verification carried out at the Regional Store revealed the following:

- The building where the vaccines were stored had sufficient physical security to prevent loss/ pilferage of Covid-19 vaccines.

- ii. Precautions were implemented to prevent unauthorized persons from entering the storage areas.
- iii. Continuous temperature monitoring devices and systems had been installed and were verified to be in good working condition.
- iv. The store had sufficient capacity to orderly store the various categories of vaccines as well as handling of vaccines.
- v. All the vaccines at the cold rooms were stored off the floor as per the general storage requirements. This complies with Pharmacy and Poisons guidelines For Good distribution practices for medical products and health technologies in Kenya which state that Storage areas should be designed or adapted to ensure good storage conditions. In particular, they should be clean and dry and maintained within specified temperature and humidity limits. Medical products and health technologies should be stored off the floor and suitably spaced to permit cleaning and inspection. Pallets should be kept in a good state of cleanliness and repair.
- vi. The vaccines were issued on a first in, first out method guided by expiry. The store uses the FEO (First Expiry Out) method when dispatching the vaccines to the regional stores, sub-counties, or facilities.
- vii. The store had a contingency plan in case of power failure, equipment breakdown, or cold chain breach. In addition, the store has a backup generator in case of power failure, an emergency contacts list, security and fire contacts, and vaccines relocation sites.
- viii. The store was maintained at a temperature not exceeding 30 °C and relative humidity not exceeding 75% at all times, which is the generally accepted standard for storing vaccine storage conditions. The store had temperature monitoring devices that record the temperatures at every given time and send an alert in case the temperatures exceed the requirement.



- ix. The temperature monitoring is done at strategic locations and hot and cold spots identified from the temperature mapping process covering the stock containment areas. The data is recorded twice daily, and the records are maintained. These recordings are done morning and evening. In the event of temperature deviation outside the set standards and conditions, there were written procedures in the excursion response poster pinned on the store's walls on what should be done if a temperature alarm went off.

The Regional Store for the Covid-19 at Kenya Medical Supplies Agency in Kisumu was confirmed to have complied with the requirements in the Ministry of Health Standard Operating Procedures.

### 3.2.2 Storage at the Counties and Sub-Counties Stores

A review of documents provided for audit and physical verification carried out at the Kisumu County store and the Seven (7) Sub-Counties stores, revealed issues as detailed under **Appendix 3** and summarized in the table below:

**Table 4 - Storage at Sub County Level**

| Observations/Findings                                                                                                                                                                                                                                           | Number of Compliant Sub County Stores | Number of Non-Compliant Sub County Stores |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|
| Store has sufficient security to prevent loss of Covid vaccines as well as prevent unauthorized access.                                                                                                                                                         | 6                                     | 1                                         |
| 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. | 6                                     | 1                                         |
| Broken or damaged items are withdrawn from usable stock and stored separately                                                                                                                                                                                   | 7                                     | 0                                         |
| There was sufficient lighting necessary to enable all operations to be carried out accurately and safely.                                                                                                                                                       | 6                                     | 1                                         |
| All COVID-19 vaccines stored off the floor                                                                                                                                                                                                                      | 7                                     | 0                                         |

| Observations/Findings                                                                                                                                                                                                       | Number of Compliant Sub County Stores | Number of Non-Compliant Sub County Stores |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|
| Refrigerated and freezing storage environments fitted with signals to indicate that refrigeration has failed. The signal permitted resetting only by the authorized person.                                                 | 7                                     | 0                                         |
| The vaccines issued on a FIFO method and guided by the expiry date                                                                                                                                                          | 7                                     | 0                                         |
| There was a contingency plan in case of power failure, equipment breakdown, or cold chain breach                                                                                                                            | 4                                     | 3                                         |
| <b>General Storage Areas</b>                                                                                                                                                                                                |                                       |                                           |
| There were Secure measures to ensure that rejected vaccines could not be used. Rejected vaccines are stored separately from other products while awaiting destruction or return to the supplier                             | 7                                     | 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.                                                                    | 7                                     | 0                                         |
| There was a cleaning log that must be completed, signed, and checked by the appropriately designated person.                                                                                                                | 7                                     | 0                                         |
| 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. | 7                                     | 0                                         |
| There were appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination                                                                                      | 7                                     | 0                                         |
| The COVID-19 vaccines were stored in such a way as to prevent contamination or cross-contamination.                                                                                                                         | 7                                     | 0                                         |
| <b>Storage Conditions</b>                                                                                                                                                                                                   |                                       |                                           |
| The storage conditions were compatible with the storage conditions specified on their labels. (Storage facilities protected goods from deterioration.)                                                                      | 7                                     | 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.                                                      | N/A                                   | N/A                                       |



| Observations/Findings                                                                                                                                                                                | Number of Compliant Sub County Stores | Number of Non-Compliant Sub County Stores |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|
| The storage conditions of the refrigerators are as per the vaccine manufacturer's recommendations (Refrigerated (2°C to 8°C))                                                                        | 7                                     | 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. | 7                                     | 0                                         |
| The store had stock in the Cold Room and were physical counted and grouped per vaccine and Batch Numbers                                                                                             | 7                                     | 0                                         |

From the foregoing, the Special Audit team confirmed that Kisumu County Stores and Kisumu Central Sub County Stores did not fully comply with storages conditions as per the Ministry of health Standard operating procedures.

### 3.2.3 Storage at the Facilities Level

A review of documents provided for audit and physical verification carried out at the 90 facilities revealed issues as summarised in the table 5 below detailed in **Appendix 4**;

**Table 5 - Storage at Facility Level**

| Observations/Findings                                                                                                                                                                                                                                          | Number of Compliant Facilities | Number of Non-Compliant Facilities |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|
| Store has sufficient security to prevent loss of Covid vaccines as well as prevent unauthorized access                                                                                                                                                         | 90                             | 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. | 90                             | 0                                  |
| Broken or damaged items are withdrawn from usable stock and stored separately                                                                                                                                                                                  | 90                             | 0                                  |
| There was sufficient lighting necessary to enable all operations to be carried out accurately and safely.                                                                                                                                                      | 90                             | 0                                  |



| Observations/Findings                                                                                                                                                                                                          | Number of Compliant Facilities | Number of Non-Compliant Facilities |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|
| All COVID-19 vaccines stored off the floor                                                                                                                                                                                     | 90                             | 0                                  |
| Refrigerated and freezing storage environments are fitted with signals to indicate that refrigeration has failed. The signal permitted resetting only by the authorized person.                                                | 90                             | 0                                  |
| The vaccines issued on a FIFO method and guided by the expiry date                                                                                                                                                             | 90                             | 0                                  |
| There was a contingency plan in case of power failure, equipment breakdown, or cold chain breach                                                                                                                               | 62                             | 28                                 |
| General Storage Areas                                                                                                                                                                                                          |                                |                                    |
| 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                                   | 88                             | 2                                  |
| There are written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas.                                                                       | 90                             | 0                                  |
| There was a cleaning log that must be completed, signed, and checked by the appropriately designated person.                                                                                                                   | 90                             | 0                                  |
| 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.<br>There was a site flow plan indicating where the bait stations are situated. | N/A                            | N/A                                |
| There were appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination                                                                                         | 90                             | 0                                  |
| The COVID-19 vaccines were stored in such a way as to prevent contamination or cross-contamination.                                                                                                                            | N/A                            | N/A                                |
| Storage Conditions                                                                                                                                                                                                             |                                |                                    |
| The storage conditions were compatible with the storage conditions specified on their labels. (Storage facilities protected goods from deterioration.)                                                                         | N/A                            | N/A                                |
| 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.                                                         | N/A                            | N/A                                |
| The storage conditions of the refrigerators are as per the vaccine manufacturer's recommendations (Refrigerated (2°C to 8°C))                                                                                                  | 90                             | 0                                  |

| Observations/Findings                                                                                                                                                                                | Number of Compliant Facilities | Number of Non-Compliant Facilities |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|
| 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. | 90                             | 0                                  |
| The store had stock in the Cold Room and were physical counted and grouped per vaccine and Batch Numbers                                                                                             | 90                             | 0                                  |

### 3.3 Distribution of Vaccines

#### Distribution at County Level

Documents provided for audit revealed that Covid-19 Vaccines on arriving in the County ideally should be transferred to the Regional Stores where they are distributed to County Stores, to Sub- County Stores and Sub- County to Facilities. However, the ideal distribution was not the case on the ground as distribution occurred back and forth across different levels of stores and facilities.

The 644,495 vaccines received at the County Store as of 31 March, 2022 were distributed to the Sub County stores and Facilities as summarized below detailed in **Appendix 5**:

**Table 6 - Distribution at County Level**

| Vaccine Type          | Distributed to County Stores | Distributed to Kisumu Sub County Stores | Distributed to Facilities in Kisumu | Variance Between Sub County and Facilities Distribution | Explanation for the Variance                                                                                                                                        |
|-----------------------|------------------------------|-----------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Moderna               | 78,960                       | 46,648                                  | 43,396                              | 3,252                                                   | The variance is as a result of poor record keeping at the facility level and failure to manage vaccinations of the Covid-19 vaccines using the Chanjo system in the |
| Janssen (Ad26.COVS-S) | 72,635                       | 54,400                                  | 46,490                              | 7,910                                                   |                                                                                                                                                                     |
| Oxford/AstraZeneca    | 283,470                      | 237,510                                 | 188,184                             | 49,326                                                  |                                                                                                                                                                     |
| Pfizer                | 209,430                      | 195,286                                 | 150,682                             | 44,604                                                  |                                                                                                                                                                     |
| <b>Total</b>          | <b>644,495</b>               | <b>533,844</b>                          | <b>428,752</b>                      | <b>105,092</b>                                          |                                                                                                                                                                     |



| Vaccine Type | Distributed to County Stores | Distributed to Kisumu Sub County Stores | Distributed to Facilities in Kisumu | Variance Between Sub County and Facilities Distribution | Explanation for the Variance |
|--------------|------------------------------|-----------------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------|
|              |                              |                                         |                                     |                                                         | administering facilities.    |

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 distribution of the vaccines was mainly supported by the county government and donor partners. The main mode of transport was motor vehicles. However, discussion with persons in charge of facilities revealed that in some instances, the facilities were forced to collect the vaccines from the Sub County store using their personal means such as motorcycles and public vehicles. The vaccines were carried in cooler boxes with fridge tags to ensure that the vaccines were delivered in the required state.

### 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 and Health Facilities. Utilization of vaccines including Covid-19 vaccines takes place at vaccinating facility.

Examination of records maintained at the Regional Store and data maintained in the Chanjo System revealed that as at 31 March 2022, 3,390,610 doses of Covid-19 vaccines had been received at Kisumu Regional Store, out of which 664,495 doses were distributed to Kisumu County Store.

Analysis of data maintained in the Chanjo System and physical verification revealed that there were ninety (90) vaccinating facilities that were not mapped in the Chanjo System and were using credentials for their Sub County stores whenever they administered vaccines.

Out of the total 644,495 Covid-19 Vaccine Doses received in Kisumu County, a total of 560,332 doses were administered as per the Chanjo system. 57,961 Vaccine doses were still in stock while the balance of 8,950 was either expired, damaged- or wasted as at 31 March, 2022. However, there was an unexplained variance of 17,262 vaccine doses.

The unexplained vaccine doses of 17,262 from the Chanjo system and the physical count at the facility level is at variance with the cumulative unexplained variance of 155,110 vaccine doses as captured under **Appendix 6** at the facility level which is as a result of none recording of administered doses at the facilities.

The facilities in Kisumu were using the credentials of Sub Counties to record in the Chanjo System doses received and administered. Thus, even though the utilization report from the system reflected under the sub-Counties that 560,322 doses had been administered, only 216,648 doses had been updated against the respective facilities at the time of the audit as detailed under **Appendix 6** and summarized in the table below an indication that the updating of records in the system was not timely;

**Table 7: Utilization of Vaccines**

| Vaccine Type        | Doses Received at the County | Doses Administered as per Chanjo System | Doses Administered as per the Facilities <sup>1</sup> | Doses in Stock at County | Doses In Stock at the Facilities | Doses Expired | Doses Damaged | Doses Wasted | Unexplained Variance Doses | Estimate Price per Dose (Kshs.) | Total Amount (Kshs.) |
|---------------------|------------------------------|-----------------------------------------|-------------------------------------------------------|--------------------------|----------------------------------|---------------|---------------|--------------|----------------------------|---------------------------------|----------------------|
| Janssen             | 72,635                       | 66,254                                  | 21,420                                                | 4,960                    | 5,218                            | 107           | 0             | 204          | (4,108) <sup>1</sup>       | 753                             | (3,093,324)          |
| Moderna             | 78,960                       | 51,543                                  | 18,361                                                | 0                        | 4,382                            | 40            | 0             | 45           | 22,950                     | 505                             | 11,589,750           |
| Oxford/ AstraZeneca | 283,470                      | 275,050                                 | 95,146                                                | 240                      | 23,210                           | 4,598         | 0             | 392          | (20,020)                   | 446                             | (8,928,920)          |
| Pfizer              | 209,430                      | 167,475                                 | 81,721                                                | 4,717                    | 15,234                           | 3,336         | 0             | 228          | 18,440                     | 670                             | 12,354,800           |
| <b>Total</b>        | <b>644,495</b>               | <b>560,322</b>                          | <b>216,648</b>                                        | <b>9,917</b>             | <b>48,044</b>                    | <b>8,081</b>  | <b>0</b>      | <b>869</b>   | <b>17,262</b>              |                                 | <b>23,944,550</b>    |

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



<sup>2</sup>The column on Doses administered as per the Facilities<sup>2</sup> is a subset of Doses Administered as per Chanjo System since in Kisumu County the updating of doses administered was being done using the Sub County credentials.

### 3.4.1 Administered Doses

These are doses which had been administered to the Kisumu County citizens from 01 March, 2021 to 31 March, 2022. A total of 560,322 doses had been administered as per distribution ledger report from the Chanjo System as indicated in Table 7 above while the utilization report from the system reflected a total of 535,571 as summarized below:

#### **Administered Doses**

| Vaccine Type           | First Doses    | Second Doses   | Booster Doses | Total          |
|------------------------|----------------|----------------|---------------|----------------|
| Moderna                | 51,532         | 11             | 0             | 51,543         |
| Janssen (Ad26.COVS2-S) | 41,268         | 235            | 0             | 41,503         |
| Oxford/AstraZeneca     | 165,044        | 107,396        | 2,610         | 275,050        |
| Pfizer                 | 114,194        | 46,729         | 6,552         | 167,475        |
| <b>Total</b>           | <b>372,038</b> | <b>154,371</b> | <b>9,162</b>  | <b>535,571</b> |

<sup>1</sup>The records pulled from the Chanjo Systems indicates 235 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.

A variance was also noted from the figures extracted in the Chanjo System's reports on cumulative statistics and distribution ledger.

### 3.4.2 Expired Doses

These are doses that had not been administered by the use-by date amounting to 8,081 doses, out of which 5,320 doses had not been disposed by the time of the Special Audit in May 2022 while the balance amounting to 3,630 had been disposed.

The Special Audit Team also noted that some of the vaccines were received only a few days to expiry as indicated in the table below:

#### **Details of Expired Doses**



| Batch No     | Date of Receipt at Facility | Batch Expiry Date | Days to Expiry | Expired      | Expired and Disposed |
|--------------|-----------------------------|-------------------|----------------|--------------|----------------------|
| 210216       | 2/25/2022                   | 2/28/2022         | 3              | 870          |                      |
| 210216       | 2/25/2022                   | 2/28/2022         | 3              | 2,700        |                      |
| 210216       | 2/25/2022                   | 2/28/2022         | 3              | 235          | 50                   |
| 210548       | 3/17/2022                   | 3/31/2022         | 14             |              | 10                   |
| AB0024       | 11/8/2021                   | 11/28/2021        | 20             |              | 20                   |
| AB0024       | 11/9/2021                   | 11/28/2021        | 19             |              | 200                  |
| NN0195       | 3/14/2022                   | 3/31/2022         | 17             |              | 10                   |
| ACB1252      | 2/27/2022                   | 2/28/2022         | 1              | 610          |                      |
| 35065BD      | 3/16/2022                   | 4/14/2022         | 29             |              | 3,000                |
| 35065BD      | 3/16/2022                   | 4/14/2022         | 29             |              | 72                   |
| 35065BD      | 3/16/2022                   | 4/14/2022         | 29             |              | 120                  |
| FL3208       | 28/12/2021                  | 1/22/2022         | 25             |              | 6                    |
| FT5331       | 2/4/2022                    | 3/2/2022          | 26             | 36           | 36                   |
| FT5331       | 2/4/2022                    | 3/2/2022          | 26             |              | 66                   |
| ACB6959      | 1/27/2022                   | 3/1/2022          | 33             |              | 40                   |
| <b>Total</b> |                             |                   |                | <b>4,451</b> | <b>3,630</b>         |

### 3.4.3 Damaged Doses

These were vaccines that were not administered as the vaccine vials had been damaged. All damaged vaccines 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. Out of 869 wasted doses none had not been disposed by the time of the Special Audit in May 2022.

### 3.4.5 Unexplained Vaccine Variance

Documents provided for audit revealed that 644,495 vaccine doses were received in the County. However, reconciliation of the vaccines received, administered, in stock, expired, damaged and wasted revealed an unexplained variance (deficit) of 17,262 doses valued at Kshs.23,944,550.

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

- a. Failure by the County not to use Chanjo System to update vaccine records in the facilities
- b. Wastages not reported at the facilities,
- c. Vaccines doses utilized during the outreaches or in facilities not defined in the Chanjo System may not have been subsequently updated, and
- d. 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 8,950 Vaccine doses had expired, were damaged or had gone to waste. Out of 8,950 vaccine doses, 3,630 doses had been disposed together with other hospital waste while the balance of 5,320 had been returned to the County store.

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 vaccines 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 in Table 8 and detailed in **Appendices 8 and 9**.

*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                                                                                                                                                                             | 0                   | 8                       | 90                  | 0                       |
| Lack of budget for disposal of Covid-19 waste                                                                                                                                                                         | 0                   | 8                       | 90                  | 0                       |
| 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                                                                                                                                     | 6                   | 2                       | 8                   | 82                      |
| 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. | 0                   | 8                       | 90                  | 0                       |
| Failure to dispose in a NEMA approved pharmaceutical disposal site in compliance with the Guidelines for safe management of pharmaceutical waste                                                                      | 1                   | 7                       | N/A                 | N/A                     |
| 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.                | 1                   | 7                       | 0                   | 90                      |
| Disposing without a certificate of safe disposal of pharmaceutical waste in compliance with the Guidelines for secure management of pharmaceutical waste                                                              | 1                   | 7                       | 0                   | 90                      |
| 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                                            | 8                   | 0                       | 0                   | 26                      |



| 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                     | 90                  | 0                       |
| Failure to have a pharmaceutical waste stored in designated quarantine stores and away from usable pharmaceutical                                                                                                                                                                                                                              | N/a                 | N/A                     | 62                  | 28                      |
| Lack of an incinerator, burning chamber or burning pit.                                                                                                                                                                                                                                                                                        | N/a                 | N/A                     | 88                  | 2                       |

The Audit team noted that the expired Vaccine vials had been collected from the 90 facilities and were being held up in the same room as Other useable vaccines at the Sub County stores. No official communication was available regarding collecting of the expired Covid-19 vaccine vials from different facilities by the Sub-Counties.

The County had five incinerators at Lumumba, Kombewa, JOOTRH and KCRH, of which only 1 Located at Lumumba Hospital was functioning. The capability and effectiveness the of Kisumu County government to collect and dispose of Sharps safely is not satisfactory.

The county presented an S1 serial No. 060499 dated 5/04/2022 which was half-filled by the county government for delivering sharps to Agrochemicals and Foods company, based at Muhoroni for disposal. No contract between the County government and Agrochemicals



& Foods company for incineration and disposal of sharps was availed to ascertain the terms and conditions, nor the resultant costs.

Section 8.7.1 of the National Guideline for safe management of Healthcare waste of 2011 requires that storage times of healthcare wastes should not exceed 48 hours during the cool season, unless refrigerated.

Delay of collection of wastes by the county Government leads to accumulation of sharp boxes in the facilities, which encourage the burning of sharps with regular waste. The audit team noted one facility where burns sharps with regular waste.

Instances of contravention of guidelines on separation of wastes, including failure to use standard colour codes (as specified in annexe 2 and 3 of the National Guideline for safe management of Health care waste of 2011) and use of rigid buckets without liners were noted 9 Facilities. In the 9 facilities, there was no clear labelling of waste buckets which may have led to mixing of waste.

The audit team also noted that burning pits in 2 facilities were flooded and could not perform the intended disposal function.

Based on the above contraventions, the audit team could not ascertain if wastes generated from the Covid-19 vaccines were correctly disposed.

### **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 teamwork.

According to the National COVID-19 Vaccines Deployment and Vaccination Plan dated February 2021, the training of health workers was to be organized in 3 phases. Phase 1 was for level 4-6 health facilities and was done through blended online/virtual training and face-to-face demonstration. The phase 1 trainings were to be recorded for later use in phase phases 3 and used to undertake TOT training. The 3 phases of trainings are summarized in the table below and detailed under **Appendices 10 and 11:**

**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                   | 7                       | N/a                 | N/A                     |
| Counties and Sub- Counties Health Management Team not trained on Covid-19 immunization                              | 7                   | 0                       | N/A                 | N/A                     |
| Trainings not well spread to all necessary cadres                                                                   | 5                   | 2                       | N/a                 | N/A                     |
| Lack of a training plan and trainings not done as per training plan                                                 | 7                   | 0                       | N/a                 | N/A                     |
| Lack of a specific training budget for COVID -19 immunization                                                       | 0                   | 7                       | N/a                 | N/A                     |
| Variance between budget and actual expenditure for training on Covid-19 vaccination.                                | 0                   | 7                       | N/a                 | N/A                     |
| Lack of details including designation, attendance dates, financier of staff at national/county/Sub County /facility | 0                   | 7                       | 0                   | 90                      |
| Lack of adequate staff to carry out the Covid-19 vaccination                                                        | N/a                 | N/A                     | 68                  | 22                      |
| Lack of separation of roles and duties                                                                              | N/a                 | N/A                     | 69                  | 21                      |
| Lack of prior training on COVID – 19 including vaccine administration                                               | N/a                 | N/A                     | 89                  | 1                       |
| Failure to use trained staff to train other staff                                                                   | N/a                 | N/A                     | 88                  | 2                       |

### 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 12, 13 and 14.**

**Table 10 - Coordination at Sub County and Facility 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                        | 7                   | 0                       | 0                   | 90                      |
| Task force /committee without terms of reference (TOR)                                            | 0                        | 7                   | 0                       | 0                   | 90                      |
| Failure to comply with the TORS                                                                   | 0                        | 7                   | 0                       | 0                   | 90                      |
| Lack of directives/ advisory/ instruction from higher levels in the COVID – 19 Vaccine management | 0                        | 7                   | 0                       | 90                  | 0                       |
| Lack of upward/downward communication in COVID-19 Vaccine Roll out                                | 0                        | 7                   | 0                       | 90                  | 0                       |
| Lack of committee meetings                                                                        | 0                        | 7                   | 0                       | 0                   | 90                      |
| Failure to carry out advocacy                                                                     | 0                        | 7                   | 0                       | 90                  | 0                       |
| Failure to carry out mobilization                                                                 | 0                        | 7                   | 0                       | 90                  | 0                       |
| Failure to carry out mobilization outreaches                                                      | 0                        | 7                   | 0                       | 89                  | 1                       |

From the foregoing, the coordination of various players in Covid-19 Vaccine roll out may not have complied with coordination of outreaches since no proper records of vaccines



issued to the facilities and returns were kept at the facilities. The health workers across the 7 Sub Counties had not received allowances for some of the outreach programs sponsored by Word Bank.

### 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 at the County revealed anomalies as detailed under **Appendices 15, 16 and 17** and summarized in the table below;

**Table 11- Monitoring at Sub County and Facility 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   | 1                   | 0                       | 7                   | 0                       | 90                  | 0                       |
| Lack tablets from the Ministry                                                          | 1                   | 0                       | 7                   | 0                       | 38                  | 52                      |
| Tablet not in good working conditions                                                   | 1                   | 0                       | 0                   | 7                       | 74                  | 16                      |
| Personnel involved in the rollout not facelifted by air time                            | 1                   | 0                       | 0                   | 7                       | 0                   | 90                      |
| Lack of mechanism/measures where patients could report adverse effect after vaccination | 1                   | 0                       | 7                   | 0                       | 90                  | 0                       |
| Lack of Adverse effect booklet etc. that are required to report adverse effects         | 1                   | 0                       | 7                   |                         | 90                  | 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 |
| Failure to monitor temperature during transportation of vaccines                                 | 1                   | 0                       |                     | 0                       |                     |                         |
| Failure to record temperature every morning and evening in the temperature monitoring chart/tool | 1                   | 0                       | 7                   | 0                       | 90                  | 0                       |
| Failure to monitor for the expiry of the vaccines                                                | 1                   | 0                       | 7                   | 0                       | 90                  | 0                       |
| Failure to monitor the Pfizer and Moderna vaccines for the 30 days expiry period after thawing   | 1                   | 0                       | 7                   | 0                       | 90                  | 0                       |

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

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

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

**Table 12- Irregularities and Weaknesses at County Level**

|   | Irregularities and Weaknesses                                         | Recommendations                                                                  |
|---|-----------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 1 | Failure to define all the Vaccinating facilities in the Chanjo System | The facilities should be defined appropriately                                   |
| 2 | Poor Maintenance of Vaccine Ledgers at the facilities                 | The County Governments should maintain the stores ledgers appropriately          |
| 3 | Understaffing at the facility level                                   | Recruitment of enough personnel                                                  |
| 4 | Poor Training of Vaccinating staff                                    | Sufficient Trainings should be conducted by the County Governments               |
| 5 | Poor storage facilities at the County Store                           | Construction of a well-maintained store                                          |
| 6 | Non-facilitation of vaccinating staff on outreach exercise            | Staff on outreach exercises should be well facilitated                           |
| 7 | Lack of a county budget on Covid-19 programs and action plans.        | The county should have a budget specifically for managing Covid-19 action plans. |

## 5.0 CONCLUSION

The objective of the Special Audit was to determine the efficiency and effectiveness of the Covid-19 Vaccine roll out in Kisumu 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 Vaccines receipts, issues and utilization. The above weaknesses resulted in an unexplained variance (deficit) of 17,262 Vaccine doses valued at Kshs.23,944,550 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 Residents of Kisumu County.

  
CPA Nancy Gathungu, CBS  
**AUDITOR-GENERAL**

Nairobi

30 June, 2022

## 6.0 APPENDICES

### Appendix 1-List of all Audited Facilities

| Sub County     | Sub County Store              | Facilities Under Sub County        | Defined in Chanjo System |
|----------------|-------------------------------|------------------------------------|--------------------------|
| Kisumu Central | Kisumu County Referral        | Agakhan                            | No                       |
|                |                               | Avenue                             | No                       |
|                |                               | Jootrh                             | No                       |
|                |                               | Jootrh Ccc                         | No                       |
|                |                               | Kcrh                               | No                       |
|                |                               | Kcrh Ccc                           | No                       |
|                |                               | Lumumba                            | No                       |
|                |                               | Migosi                             | No                       |
|                |                               | Nightingale Milimani               | No                       |
| Kisumu East    | Gita Sub County Hospital      | Angola Comm Dispensary             | No                       |
|                |                               | Chiga H/C                          | No                       |
|                |                               | Disciple Of Mercy Clinic           | No                       |
|                |                               | Gita Sch                           | No                       |
|                |                               | GK Prison Kibos Dispensary         | No                       |
|                |                               | Got Nyabondo Dispensary            | No                       |
|                |                               | Kibos Sugar Research Dispensary    | No                       |
|                |                               | Kotunga Dispensary                 | No                       |
|                |                               | Kowino Dispensary                  | No                       |
|                |                               | Kuoyo Dispensary                   | No                       |
|                |                               | Nyalunya H/C                       | No                       |
|                |                               | Olps Clinic                        | No                       |
|                |                               | Orongo Dispensary                  | No                       |
|                |                               | Simba Opepo Dispensary             | No                       |
|                |                               | St Consolata Medical               | No                       |
|                |                               | St Elizabeth Hospital              | No                       |
|                |                               | St George's Medical                | No                       |
|                |                               | St Monica Hospital                 | No                       |
| Kisumu West    | Chulaimbo Sub County Hospital | Airport Health Centre              | No                       |
|                |                               | Chulaimbo Sub County Hospital      | No                       |
|                |                               | Kodiaga Prison Sub County Hospital | No                       |
|                |                               | Maseno Mission Hospital            | No                       |
|                |                               | Maseno University Health Centre    | No                       |
|                |                               | Nyahera Sub County Hospital        | No                       |
|                |                               | Ober Kamoth                        | No                       |
|                |                               | Ojolla Sub County Hospital         | No                       |
|                |                               | Port Florence                      | No                       |
| Muhoroni       |                               | Chemelil Gok                       | No                       |
|                |                               | Kibigori                           | No                       |



| Sub County     | Sub County Store                    | Facilities Under Sub County    | Defined in Chanjo System |
|----------------|-------------------------------------|--------------------------------|--------------------------|
|                | <b>Nyangoma Sub County Hospital</b> | Koru Dispensary                | No                       |
|                |                                     | Koru Mission Hospital          | No                       |
|                |                                     | Masogo SCH                     | No                       |
|                |                                     | Muhoroni County Hospital       | No                       |
|                |                                     | Nyangoma SCH                   | No                       |
|                |                                     | Obumba                         | No                       |
|                |                                     | Tamu                           | No                       |
| <b>Nyakach</b> | <b>Katito Sub County Hospital</b>   | Anding'o Opanga Dispensary     | No                       |
|                |                                     | Bethlehem Home Hospital        | No                       |
|                |                                     | Bonde Dispensary               | No                       |
|                |                                     | Cherwa Dispensary              | No                       |
|                |                                     | Gari Dispensary                | No                       |
|                |                                     | Kandaria Medical Centre        | No                       |
|                |                                     | Katito Sub County Hospital     | No                       |
|                |                                     | Kibogo Dispensary              | No                       |
|                |                                     | Kodingo Health Centre          | No                       |
|                |                                     | Lisana Dispensary              | No                       |
|                |                                     | Nyabola Cdf Dispensary         | No                       |
|                |                                     | Nyabondo Mission Hospital      | No                       |
|                |                                     | Nyabondo Rehabilitation Centre | No                       |
|                |                                     | Nyakach County Hospital        | No                       |
|                |                                     | Nyamarimba Sub County Hospital | No                       |
|                |                                     | Oboch Dispensary               | No                       |
|                |                                     | Onyuongo Dispensary            | No                       |
|                |                                     | Pedo Dispensary                | No                       |
|                |                                     | Rae Dispensary                 | No                       |
|                |                                     | Rang'ul Dispensary             | No                       |
|                |                                     | Sango Rota Health Centre       | No                       |
|                |                                     | Sangoro Dispensary             | No                       |
|                |                                     | Sigoti Health Centre           | No                       |
|                |                                     | Sondu Sub County Hospital      | No                       |
|                |                                     | St Clare Bolo Health Centre    | No                       |
| <b>Nyando</b>  | <b>Ahero County Hospital</b>        | Ahero County Hospital          | No                       |
|                |                                     | Awasi Mission                  | No                       |
|                |                                     | Nyangande S/C Hospital         | No                       |
|                |                                     | Rabuor S/C Hospital            | No                       |
| <b>Seme</b>    |                                     | Arito Langi Health Centre      | No                       |
|                |                                     | Bar Korwa Health Centre        | No                       |

| Sub County | Sub County Store               | Facilities Under Sub County      | Defined in Chanjo System |
|------------|--------------------------------|----------------------------------|--------------------------|
|            | <b>Kombewa County Hospital</b> | Bodi Health Centre               | No                       |
|            |                                | Bongu Konyango Dispensary        | No                       |
|            |                                | Kolenyo Health Centre            | No                       |
|            |                                | Kombewa County Referral Hospital | No                       |
|            |                                | Korwenje Dispensary              | No                       |
|            |                                | Kuoyo Kaila Health Centre        | No                       |
|            |                                | Langi Kawino Dispensary          | No                       |
|            |                                | Manyuanda Sub County Hospital    | No                       |
|            |                                | Miranga Sub County Hospital      | No                       |
|            |                                | Nduru Kadero Health Centre       | No                       |
|            |                                | Onyinjo Dispensary               | No                       |
|            |                                | Osewre Dispensary                | No                       |
|            |                                | Ratta Health Centre              | No                       |
|            |                                | Rodi Health Centre               | No                       |
|            |                                |                                  |                          |

## Appendix 2-Budget at County and Sub County Level – Kisumu County

| County / Sub County  | B1       | B2       | B3       | B4       | B5       | B6       | B7       | B8       |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Kisumu Central       | No       | No       | No       | No       | No       | No       | No       | No       |
| Kisumu East          | No       | No       | No       | No       | No       | No       | No       | No       |
| Kisumu West          | No       | No       | No       | No       | No       | No       | No       | No       |
| Muhoroni             | No       | No       | No       | No       | No       | No       | No       | No       |
| Nyando               | No       | No       | No       | No       | No       | No       | No       | No       |
| Nyakach              | No       | No       | No       | No       | No       | No       | No       | No       |
| Seme                 | No       | No       | No       | No       | No       | No       | No       | No       |
| <b>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>Non-Compliant</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</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 – Kisumu County**

| Sub County           | S1       | S2       | S3       | S4       | S5       | S6       | S7       | S8       | S9       | S10      | S11      | S12      | S13      | S14      | S15      | S16      | S17      | S18      | S19      |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Kisumu East          | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Kisumu West          | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Kisumu Central       | No       | No       | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Nyakach              | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Nyando               | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Seme                 | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Muhoroni             | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| <b>Compliant</b>     | <b>6</b> | <b>6</b> | <b>7</b> | <b>6</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>4</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> |
| <b>Non-Compliant</b> | <b>1</b> | <b>1</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>3</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>0</b> | <b>0</b> |

**Key/Details:**

**Yes - Compliant**

**No – Non-Compliant**

|           |                                                                                                                                                                                                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>S1</b> | Does the building have sufficient security to prevent loss of Covid vaccines as well as prevent unauthorized access?                                                                                                                                                                |
|           | 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>S2</b> | Are the Broken or damaged items withdrawn from usable stock and stored separately?                                                                                                                                                                                                  |
| <b>S3</b> | Is there sufficient lighting necessary to enable all operations to be carried out accurately and safely?                                                                                                                                                                            |
| <b>S4</b> | Are all COVID-19 vaccines stored off the floor?                                                                                                                                                                                                                                     |
| <b>S5</b> |                                                                                                                                                                                                                                                                                     |



|     |                                                                                                                                                                                                                                 |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S6  | 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.)                                           |
| S7  | Are the vaccines issued on a FIFO method and guided by the expiry date?                                                                                                                                                         |
| S8  | Is there a contingency plan put in place in case of power failure, equipment breakdown, or cold chain breach?                                                                                                                   |
| S9  | 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?                                                 |
| S10 | Are there Written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas?                                                                        |
| S11 | Is there a cleaning log that must be completed, signed, and checked by the appropriately designated person?                                                                                                                     |
| S12 | 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.) |
| S13 | Are there appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination?                                                                                          |
| S14 | Are the COVID-19 vaccines stored in such a way as to prevent contamination or cross-contamination?                                                                                                                              |
| S15 | Are the storage conditions compatible with the storage conditions specified on their labels? (Storage facilities should protect goods from deterioration.)                                                                      |

**Appendix 4: Storage at Facility Level – Kisumu County**

| Sub County  | Facility Name                      | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
|-------------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Kisumu East | Angola Comm Dispensary             | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Chiga H/C                          | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Disciple Of Mercy Clinic           | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Gita Sch                           | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | GK Prison Kibos Dispensary         | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Got Nyabondo Dispensary            | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Kibos Sugar Research Dispensary    | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Kotunga Dispensary                 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Kowino Dispensary                  | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|             | Kuoyo Dispensary                   | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|             | Nyalunya H/C                       | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Olps Clinic                        | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|             | Orongo Dispensary                  | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|             | Simba Opepo Dispensary             | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
| Kisumu West | St Consolata Medical               | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | St Elizabeth Hospital              | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | St George's Medical                | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | St Monica Hospital                 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Airport Health Centre              | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Chulaimbo Sub County Hospital      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Kodiaga Prison Sub County Hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Maseno Mission Hospital            | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Maseno University Health Centre    | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             | Nyahera Sub County Hospital        | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|             |                                    |     |     |     |     |     |     |     |     |     |      |      |      |
|             |                                    |     |     |     |     |     |     |     |     |     |      |      |      |
|             |                                    |     |     |     |     |     |     |     |     |     |      |      |      |
|             |                                    |     |     |     |     |     |     |     |     |     |      |      |      |

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



| Sub County     | Facility Name                  | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
|----------------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
|                | Ober Kamoth                    | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|                | Ojolla Sub County Hospital     | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Port Florence                  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
| Kisumu Central | Agakhan                        | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Avenue                         | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Jothrh                         | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Jothrh Ccc                     | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Kcrh                           | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Kcrh Ccc                       | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Lumumba                        | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Migosi                         | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Nightingale Milimani           | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
| Nyakach        | Anding'o Opanga Dispensary     | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|                | Bethlehem Home Hospital        | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Bonde Dispensary               | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|                | Cherwa Dispensary              | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Gari Dispensary                | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Kandaria Medical Centre        | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Katito Sub County Hospital     | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|                | Kibogo Dispensary              | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|                | Kodingo Health Centre          | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|                | Lisana Dispensary              | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Nyabola Cdf Dispensary         | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|                | Nyabondo Mission Hospital      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|                | Nyabondo Rehabilitation Centre | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |

| Sub County | Facility Name                    | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
|------------|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
|            | Nyakach County Hospital          | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|            | Nyamarimba Sub County Hospital   | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|            | Oboch Dispensary                 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|            | Onyuongo Dispensary              | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Pedo Dispensary                  | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Rae Dispensary                   | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Rang'ul Dispensary               | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Sango Rota Health Centre         | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Sangoro Dispensary               | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Sigoti Health Centre             | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|            | Sondu Sub County Hospital        | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | St Clare Bolo Health Centre      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
| Nyando     | Ahero County Hospital            | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Awasi Mission                    | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Nyangande S/C Hospital           | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|            | Rabur S/C Hospital               | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
| Seme       | Arito Langi Health Centre        | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Bar Korwa Health Centre          | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|            | Bodi Health Centre               | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Bongu Konyango Dispensary        | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes  | Yes  | Yes  |
|            | Kolenyo Health Centre            | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Kombewa County Referral Hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|            | Korwenje Dispensary              | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|            | Kuoyo Kaila Health Centre        | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|            | Langi Kawino Dispensary          | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |



| Sub County    | Facility Name                 | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
|---------------|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
|               | Manyuanda Sub County Hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Miranga Sub County Hospital   | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Nduru Kadero Health Centre    | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Onyinjo Dispensary            | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Osewre Dispensary             | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|               | Ratta Health Centre           | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Rodi Health Centre            | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
| Muhoroni      | Chemelil Gok                  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Kibigori                      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Koru Dispensary               | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Koru Mission Hospital         | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Masogo SCH                    | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Muhoroni County Hospital      | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Nyangoma SCH                  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes  | Yes  | Yes  |
|               | Obumba                        | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes  | Yes  | Yes  |
|               | Tamu                          | Yes | Yes | Yes | Yes | Yes | Yes | No  | No  | Yes | Yes  | Yes  | Yes  |
| Compliant     |                               | 90  | 90  | 90  | 90  | 90  | 90  | 60  | 88  | 90  | 90   | 90   | 90   |
| Non-Compliant |                               | 0   | 0   | 0   | 0   | 0   | 0   | 30  | 2   | 0   | 0    | 0    | 0    |

**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 is 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?<br>(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 Kisumu County Facilities as at 31 March 2022

| Vaccine            | Sub County     | Facility                        | Total Doses |
|--------------------|----------------|---------------------------------|-------------|
| Janssen (Ad26.COV2 | Kisumu Central | Agakhan                         | 50          |
|                    |                | JOTRH                           | 200         |
|                    |                | JOTRH-CCC                       | 400         |
|                    |                | KCRH                            | 645         |
|                    |                | KCRH-CCC                        | 155         |
|                    |                | Lumumba                         | 550         |
|                    |                | Migosi                          | 350         |
|                    |                | Nyando                          | 100         |
|                    |                | Outreaches                      | 8,350       |
|                    |                | Tayimba                         | 25          |
|                    | Kisumu East    | Chiga Health Facility           | 100         |
|                    |                | D.O.M                           | 100         |
|                    |                | gita                            | 4,195       |
|                    |                | Got Nyabondo Health Centre      | 300         |
|                    |                | Kibos GK Prison                 | 250         |
|                    |                | Kibos Sugar Research Dispensary | 240         |
|                    |                | Kotunga Dispensary              | 80          |
|                    |                | Kowino                          | 330         |
|                    |                | Kuoyo Health center             | 2,120       |
|                    |                | Maisha Medical                  | 30          |
|                    |                | Nyalunya HC                     | 250         |
|                    |                | Orongo Dispensary               | 150         |
|                    |                | Simba Opepo                     | 350         |
|                    |                | St. Consolata Hospital          | 20          |
|                    | Kisumu East    | Angola Health Centre            | 360         |
|                    |                | St Elizabeth Hospital           | 350         |



| Vaccine | Sub County  | Facility                              | Total Doses |
|---------|-------------|---------------------------------------|-------------|
|         |             | St Georges Medical                    | 30          |
|         | Kisumu West | to Airport H/C                        | 480         |
|         |             | to Chulaimbo                          | 990         |
|         |             | to Kodiaga                            | 550         |
|         |             | to Maseno                             | 50          |
|         |             | to Maseno University HC               | 250         |
|         |             | to Nyahera                            | 650         |
|         |             | to Ober Kamoth                        | 450         |
|         |             | to Ojolla                             | 255         |
|         |             | to Outreach                           | 2,465       |
|         |             | to St. Mark                           | 500         |
|         | Muhoroni    | Chemelil Dispensary (Muhoroni)        | 700         |
|         |             | Chemelil Sugar Health Centre          | 100         |
|         |             | Kandeg Dispensary                     | 100         |
|         |             | Kibigori Dispensary                   | 500         |
|         |             | Koru Dispensary                       | 350         |
|         |             | Masogo Sub County Hospital            | 500         |
|         |             | Migere Health Centre                  | 200         |
|         |             | Miwani Health Centre                  | 300         |
|         |             | Miwani North Community Unit           | 100         |
|         |             | Muhoroni County Hospital              | 740         |
|         |             | Nyang'oma Sub County Hospital         | 590         |
|         |             | Obumba Dispensary                     | 250         |
|         |             | Ogen Dispensary                       | 250         |
|         |             | Ramula Dispensary                     | 50          |
|         |             | Tamu Health Centre                    | 390         |
|         | Nyakach     | Anding'o Opanga Community Health Unit | 100         |
|         |             | Anding'o Opanga Dispensary            | 200         |

| Vaccine | Sub County | Facility                        | Total Doses |
|---------|------------|---------------------------------|-------------|
|         |            | Bonde Dispensary                | 200         |
|         |            | Cherwa Dispensary               | 150         |
|         |            | Gari Dispensary                 | 300         |
|         |            | Kandaria Medical Centre         | 400         |
|         |            | Katito Sub County Hospital      | 1,315       |
|         |            | Kibogo Dispensary               | 100         |
|         |            | Kodingo Health Centre           | 300         |
|         |            | Lisana Dispensary               | 100         |
|         |            | Nyabola CDF Dispensary          | 100         |
|         |            | Nyabondo Mission Hospital       | 900         |
|         |            | Nyakach County Hospital         | 1,240       |
|         |            | Nyamaringba Sub County Hospital | 925         |
|         |            | Oboch Dispensary                | 200         |
|         |            | Onyuongo Dispensary             | 300         |
|         |            | Pedo Dispensary                 | 200         |
|         |            | Rae Dispensary                  | 400         |
|         |            | Sango Rota Health Centre        | 500         |
|         |            | Sangoro Dispensary              | 200         |
|         |            | Sigoti Health Centre            | 200         |
|         |            | Sondu Sub County Hospital       | 450         |
|         |            | St Clare Bolo Health Centre     | 50          |
|         | Nyando     | Ahero County Hospital           | 1,730       |
|         |            | Awasi Mission Health Center     | 1,440       |
|         |            | Kinasia Dispensary              | 100         |
|         |            | Magina Community Health Unit    | 30          |
|         |            | Nyangande Sub County Hospital   | 855         |
|         |            | Olas Dispensary (Nyando)        | 20          |
|         |            | Rabuor Sub County Hospital      | 1,545       |

| Vaccine     | Sub County     | Facility                        | Total Doses |
|-------------|----------------|---------------------------------|-------------|
| AstraZeneca | Seme           | Miranga Sub County Hospital     | 100         |
|             | Kisumu Central | Agakhan Avenue                  | 3,900       |
|             |                | CCC                             | 1,760       |
|             |                | JOOTRH                          | 940         |
|             |                | Kisumu County Referral Hospital | 7,570       |
|             |                | Lumumba                         | 6,980       |
|             |                | Migosi Sub County Hospital      | 4,830       |
|             |                | Nightgale                       | 4,630       |
|             |                | Nyando                          | 4,810       |
|             |                | Outreach                        | 200         |
|             |                | to Outreach                     | 9,670       |
|             |                |                                 | 20          |
|             | Kisumu East    | Chiga Health Facility           | 1,100       |
|             |                | D.O.M                           | 830         |
|             |                | gita                            | 14,640      |
|             |                | Gita                            | 700         |
|             |                | Got Nyabondo Health Centre      | 928         |
|             |                | Kibos GK Prison                 | 1,610       |
|             |                | Kibos Sugar Research Dispensary | 80          |
|             |                | Kotunga Dispensary              | 710         |
|             |                | Kowino                          | 1,246       |
|             |                | Kowino                          | 700         |
|             |                | Kuoyo Health center             | 7,420       |
|             |                | Maisha Medical                  | 20          |
|             |                | Nyalunya HC                     | 1,480       |
|             |                | Orongo Dispensary               | 640         |
|             |                | Simba Opepo                     | 2,030       |
|             |                | St Elizabeth Hospital           | 1,880       |



| Vaccine | Sub County  | Facility                       | Total Doses |
|---------|-------------|--------------------------------|-------------|
|         |             | St. Consolata Hospital         | 210         |
|         | Kisumu East | Angola Health Centre           | 884         |
|         |             | St Elizabeth Hospital          | 120         |
|         |             | St Georges Medical             | 70          |
|         | Kisumu West | to Airport H/C                 | 260         |
|         |             | to Chulaimbo                   | 12,080      |
|         |             | to Kodiaga                     | 2,580       |
|         |             | to Masaba                      | 40          |
|         |             | to Maseno                      | 300         |
|         |             | to Maseno Mission              | 300         |
|         |             | to Maseno School               | 450         |
|         |             | to Maseno University HC        | 1,640       |
|         |             | to Nyahera                     | 1,550       |
|         |             | to Ober Kamoth                 | 3,580       |
|         |             | to Ojolla                      | 430         |
|         |             | to Outreach                    | 6,370       |
|         |             | to Port Florence               | 50          |
|         |             | to Rotta                       | 100         |
|         |             | to Seme                        | 300         |
|         |             | to St. Jairus                  | 650         |
|         |             | to St. Mark                    | 850         |
|         | Muhoroni    | Chemelil Dispensary (Muhoroni) | 2,900       |
|         |             | Chemelil Sugar Health Centre   | 50          |
|         |             | Kasongo Dispensary             | 300         |
|         |             | Kibigori Dispensary            | 1,490       |
|         |             | Koru Dispensary                | 1,340       |
|         |             | Koru Mission Health Centre     | 320         |
|         |             | Masogo Sub County Hospital     | 4,762       |

| Vaccine | Sub County | Facility                          | Total Doses |
|---------|------------|-----------------------------------|-------------|
|         |            | Miwani Health Centre              | 1,030       |
|         |            | Muhoroni County Hospital          | 5,718       |
|         |            | Nyang'oma Sub County Hospital     | 4,140       |
|         |            | Obumba Dispensary                 | 1,130       |
|         |            | Ogen Dispensary                   | 300         |
|         |            | Ramula Dispensary                 | 140         |
|         |            | St Vincents De Paul Health Centre | 340         |
|         |            | Tamu Health Centre                | 1,400       |
|         | Nyakach    | Anding'o Opanga Dispensary        | 190         |
|         |            | Bethlehem Home Hospital           | 20          |
|         |            | Bonde Dispensary                  | 230         |
|         |            | Cherwa Dispensary                 | 130         |
|         |            | Katito Sub County Hospital        | 4,462       |
|         |            | Kibogo Dispensary                 | 80          |
|         |            | Kodingo Health Centre             | 80          |
|         |            | Nyabola CDF Dispensary            | 30          |
|         |            | Nyabondo Mission Hospital         | 1,740       |
|         |            | Nyabondo Rehabilitation Centre    | 50          |
|         |            | Nyakach County Hospital           | 4,680       |
|         |            | Nyamaringa Sub County Hospital    | 1,148       |
|         |            | Oboch Dispensary                  | 300         |
|         |            | Pedo Dispensary                   | 30          |
|         |            | Rae Dispensary                    | 30          |
|         |            | Rang'ul Dispensary                | 80          |
|         |            | Sango Rota Health Centre          | 260         |
|         |            | Sigoti Health Centre              | 60          |
|         |            | Sondu Sub County Hospital         | 940         |
|         | Nyando     | Ahero County Hospital             | 6,470       |

| Vaccine | Sub County  | Facility                         | Total Doses |
|---------|-------------|----------------------------------|-------------|
|         |             | Awasi Mission Health Center      | 1,990       |
|         |             | Kisumu Regional Store            | 7,160       |
|         |             | Nyakongo health Centre           | 60          |
|         |             | Nyangande Sub County Hospital    | 1,320       |
|         |             | Rabur Sub County Hospital        | 3,530       |
|         | Seme        | Arito Langi Health Centre        | 180         |
|         |             | Bodi Health Centre               | 420         |
|         |             | Bongu Konyango Dispensary        | 80          |
|         |             | Kolenyo Health Centre            | 1,360       |
|         |             | Kombewa County Referral Hospital | 7,184       |
|         |             | Korwenje Dispensary              | 96          |
|         |             | Kuoyo Kaila Health Centre        | 200         |
|         |             | Langi Kawino Dispensary          | 100         |
|         |             | Manyuanda Sub County Hospital    | 580         |
|         |             | Miranga Sub County Hospital      | 680         |
|         |             | Ratta Health Centre              | 766         |
|         |             | Rodi Health Centre               | 1,970       |
| MODERNA | Kisumu East | chiga Health Facility            | 28          |
|         |             | D.O.M                            | 140         |
|         |             | Gita                             | 3,416       |
|         |             | Got Nyabondo Health Centre       | 825         |
|         |             | Kibos GK Prison                  | 500         |
|         |             | Kibos Sugar Research Dispensary  | 196         |
|         |             | Kotunga Dispensary               | 140         |
|         |             | Kowino                           | 696         |
|         |             | Kuoyo Health center              | 1,666       |
|         |             | Nyalunya HC                      | 400         |
|         |             | Orongo Dispensary                | 202         |



| Vaccine | Sub County  | Facility                          | Total Doses |
|---------|-------------|-----------------------------------|-------------|
|         |             | Simba Opepo                       | 490         |
|         |             | St Elizabeth Hospital             | 815         |
|         |             | St. Consolata Hospital            | 220         |
|         | Kisumu West | to Airport H/C                    | 168         |
|         |             | to Chulaimbo                      | 1,792       |
|         |             | to kodiaga                        | 1,680       |
|         |             | to Maseno Mission                 | 658         |
|         |             | to Maseno University HC           | 490         |
|         |             | to Nyahera                        | 1,522       |
|         |             | to Ober Kamoth                    | 560         |
|         |             | to Ojolla                         | 384         |
|         |             | to Outreach                       | 866         |
|         |             | to Port Florence                  | 56          |
|         |             | to St. Jairus                     | 56          |
|         |             | to St. Mark                       | 98          |
|         | Muhoroni    | Chemelil Dispensary (Mohoroni)    | 630         |
|         |             | Kibigori Dispensary               | 560         |
|         |             | Koru Mission Health Centre        | 182         |
|         |             | Masogo Sub County Hospital        | 1,708       |
|         |             | Miwani Health Centre              | 140         |
|         |             | Muhoroni County Hospital          | 1,316       |
|         |             | Nyang'oma Sub County Hospital     | 1,120       |
|         |             | St Vincents De Paul Health Centre | 140         |
|         |             | Tamu Health Centre                | 616         |
|         | Nyakach     | Bonde Dispensary                  | 140         |
|         |             | Katito Sub County Hospital        | 1,680       |
|         |             | Nyabondo Mission Hospital         | 630         |
|         |             | Nyakach County Hospital           | 1,960       |

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

| Vaccine | Sub County     | Facility                         | Total Doses |
|---------|----------------|----------------------------------|-------------|
|         |                | Nyamamba Sub County Hospital     | 700         |
|         |                | Sondu Sub County Hospital        | 490         |
|         | Nyando         | Ahero County Hospital            | 2,254       |
|         |                | Awasi Mission Health Center      | 1,540       |
|         |                | Kadhiambo Dispensary             | 336         |
|         |                | Kinasia Dispensary               | 294         |
|         |                | Kisumu Regional Store            | 1,680       |
|         |                | Nyakongo health Centre           | 98          |
|         |                | Nyangande Sub County Hospital    | 1,190       |
|         |                | Rabuor Sub County Hospital       | 1,848       |
|         | Seme           | Arito Langi Health Centre        | 210         |
|         |                | Bar Korwa Health Centre          | 350         |
|         |                | Bodi Health Centre               | 280         |
|         |                | Kolenyo Health Centre            | 420         |
|         |                | Kombewa County Referral Hospital | 280         |
|         |                | Kuoyo Kaila Health Centre        | 140         |
|         |                | Manyuanda Sub County Hospital    | 560         |
|         |                | Miranga Sub County Hospital      | 420         |
|         |                | Nduru Kadero Health Centre       | 280         |
|         |                | Onyinjo Dispensary               | 140         |
|         |                | Osewre Dispensary                | 210         |
|         |                | Ratta Health Centre              | 210         |
|         |                | Rodi Health Centre               | 580         |
| Pfizer  | Kisumu Central | Agakhan                          | 3,420       |
|         |                | Aghakan                          | 1,956       |
|         |                | Avenue Health care               | 60          |
|         |                | CCC                              | 246         |
|         |                | Huduma                           | 1,404       |

| Vaccine | Sub County  | Facility                        | Total Doses |
|---------|-------------|---------------------------------|-------------|
|         |             | JOOTRH                          | 7,296       |
|         |             | K.CRH CCC                       | 78          |
|         |             | KCRH                            | 10,607      |
|         |             | KCRH CCC                        | 18          |
|         |             | KCRH-CCC                        | 630         |
|         |             | Kisumu East                     | 90          |
|         |             | KMTC                            | 180         |
|         |             | Lumumba                         | 3,834       |
|         |             | Migosi                          | 3,978       |
|         |             | Nightinangale                   | 280         |
|         |             | Nightingale                     | 750         |
|         |             | Outreach                        | 11,053      |
|         |             | Outreaches                      | 5,502       |
|         | Kisumu East | chiga Health Facility           | 786         |
|         |             | D.O.M                           | 532         |
|         |             | gita                            | 10,992      |
|         |             | Got Nyabondo Health Centre      | 252         |
|         |             | Kibos GK Prison                 | 2,916       |
|         |             | Kibos Sugar Research Dispensary | 60          |
|         |             | Kotunga Dispensary              | 378         |
|         |             | Kowino                          | 1,802       |
|         |             | Kuoyo Health center             | 5,976       |
|         |             | Maisha Medical                  | 30          |
|         |             | Nyalunya HC                     | 1,086       |
|         |             | Orongo Dispensary               | 270         |
|         |             | Simba Opepo                     | 768         |
|         |             | St Elizabeth Hospital           | 420         |
|         |             | St. Consolata Hospital          | 84          |



| Vaccine | Sub County  | Facility                       | Total Doses |
|---------|-------------|--------------------------------|-------------|
|         | Kisumu East | Angola Health Centre           | 648         |
|         |             | St Elizabeth Hospital          | 1,020       |
|         |             | St Georges Medical             | 126         |
|         | Kisumu West | to Airport H/C                 | 1,060       |
|         |             | to Chulaimbo                   | 7,546       |
|         |             | to Kisumu Central              | 1,180       |
|         |             | to kodiaga                     | 1,512       |
|         |             | to Maseno University HC        | 1,318       |
|         |             | to Nyahera                     | 2,068       |
|         |             | to Ober Kamoth                 | 3,512       |
|         |             | to Ojolla                      | 2,180       |
|         |             | to Outreach                    | 3,558       |
|         |             | to Seme                        | 300         |
|         |             | to St. Jairus                  | 300         |
|         |             | to St. Mark                    | 546         |
|         | Muhoroni    | Chemelil Dispensary (Mohoroni) | 1,410       |
|         |             | Chemelil Sugar Health Centre   | 540         |
|         |             | Kandege Dispensary             | 300         |
|         |             | Kibigori Dispensary            | 180         |
|         |             | Koru Dispensary                | 1,386       |
|         |             | Masogo Sub County Hospital     | 1,230       |
|         |             | Migere Health Centre           | 780         |
|         |             | Miwani Health Centre           | 156         |
|         |             | Muhoroni County Hospital       | 1,524       |
|         |             | Nyang'oma Sub County Hospital  | 1,446       |
|         |             | Obumba Dispensary              | 1,050       |
|         |             | Ramula Dispensary              | 360         |
|         |             | Tamu Health Centre             | 678         |

| Vaccine | Sub County | Facility                       | Total Doses |
|---------|------------|--------------------------------|-------------|
|         | Nyakach    | Katito Sub County Hospital     | 1,140       |
|         |            | Lisana Dispensary              | 120         |
|         |            | Nyabondo Mission Hospital      | 1,500       |
|         |            | Nyakach County Hospital        | 1,650       |
|         |            | Nyamaringa Sub County Hospital | 480         |
|         |            | Oboch Dispensary               | 150         |
|         |            | Rae Dispensary                 | 120         |
|         |            | Sango Rota Health Centre       | 150         |
|         |            | Sondu Sub County Hospital      | 870         |
|         | Nyando     | Ahero County Hospital          | 9,444       |
|         |            | Awasi Mission Health Center    | 6,336       |
|         |            | Nyangande Sub County Hospital  | 4,530       |
|         |            | Rabuor Sub County Hospital     | 7,740       |
|         | Seme       | Kuoyo Kaila Health Centre      | 360         |
|         |            | Miranga Sub County Hospital    | 444         |
| Total   |            |                                | 428,752     |

**Appendix 6 – Utilization at Kisumu County Facilities as at 31 March, 2022**

| Vaccine             | Facility                              | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage and Disposed | Wastage and Disposed | Unexplained Variance |
|---------------------|---------------------------------------|----------|---------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
| Janssen (Ad26.COV2) | Kisumu Central                        | -        | -                         | -                    | 67                   | -                   | -                    | -                    |
|                     | Agakhan                               | 50       | 50                        | -                    | -                    | -                   | -                    | -                    |
|                     | Ahero County Hospital                 | 1,730    | -                         | -                    | -                    | -                   | -                    | 1,730                |
|                     | Anding'o Opanga Community Health Unit | 100      | -                         | -                    | -                    | -                   | -                    | 100                  |
|                     | Anding'o Opanga Dispensary            | 200      | -                         | -                    | -                    | -                   | -                    | 200                  |
|                     | Angola Health Centre                  | 360      | 360                       | -                    | -                    | -                   | -                    | -                    |
|                     | Awasi Mission Health Center           | 1,440    | -                         | -                    | -                    | 54                  | -                    | 1,440                |
|                     | Bonde Dispensary                      | 200      | -                         | -                    | -                    | -                   | -                    | 200                  |
|                     | Chemelil Dispensary (Mohoroni)        | 700      | 200                       | -                    | -                    | -                   | -                    | 500                  |
|                     | Chemelil Sugar Health Centre          | 100      | -                         | -                    | -                    | -                   | -                    | 100                  |
|                     | Cherwa Dispensary                     | 150      | -                         | -                    | -                    | -                   | -                    | 150                  |
|                     | chiga Health Facility                 | 100      | -                         | -                    | -                    | -                   | -                    | 100                  |
|                     | D.O.M                                 | 100      | 100                       | -                    | -                    | -                   | -                    | -                    |
|                     | Gari Dispensary                       | 300      | -                         | -                    | -                    | -                   | -                    | 300                  |
|                     | Gita                                  | 4,195    | 975                       | 3,220                | -                    | 100                 | -                    | -                    |
|                     | Got Nyabondo Health Centre            | 300      | 300                       | -                    | -                    | -                   | -                    | -                    |
|                     | JOOTRH                                | 200      | 200                       | -                    | -                    | -                   | -                    | -                    |
|                     | JOOTRH-CCC                            | 400      | 400                       | -                    | -                    | -                   | -                    | -                    |
|                     | Kandaria Medical Centre               | 400      | -                         | -                    | -                    | 50                  | -                    | 400                  |
|                     | Kandege Dispensary                    | 100      | -                         | 1,204                | -                    | -                   | -                    | -1,104               |
|                     | Katito Sub County Hospital            | 1,315    | 540                       | -                    | -                    | -                   | -                    | 775                  |
|                     | KCRH                                  | 645      | 645                       | -                    | 40                   | -                   | -                    | -                    |

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



| Vaccine | Facility                        | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage d and Disposed | Wastage and Disposed | Unexplained Variance |
|---------|---------------------------------|----------|---------------------------|----------------------|----------------------|-----------------------|----------------------|----------------------|
|         | KCRH-CCC                        | 155      | 155                       | -                    | -                    | -                     | -                    | -                    |
|         | Kibigori Dispensary             | 500      | -                         | 500                  | -                    | -                     | -                    | -                    |
|         | Kibogo Dispensary               | 100      | -                         | 100                  | -                    | -                     | -                    | -                    |
|         | Kibos GK Prison                 | 250      | 250                       | -                    | -                    | -                     | -                    | -                    |
|         | Kibos Sugar Research Dispensary | 240      | 240                       | -                    | -                    | -                     | -                    | -                    |
|         | Kinasia Dispensary              | 100      | -                         | -                    | -                    | -                     | -                    | 100                  |
|         | Kodingo Health Centre           | 300      | -                         | 100                  | -                    | -                     | -                    | 200                  |
|         | Koru Dispensary                 | 350      | -                         | -                    | -                    | -                     | -                    | 350                  |
|         | Kotunga Dispensary              | 80       | 65                        | -                    | -                    | -                     | -                    | 15                   |
|         | Kowino                          | 330      | 330                       | -                    | -                    | -                     | -                    | -                    |
|         | Kuoyo Health center             | 2,120    | 2,115                     | 5                    | -                    | -                     | -                    | -                    |
|         | Lisana Dispensary               | 100      | 100                       | -                    | -                    | -                     | -                    | -                    |
|         | Lumumba                         | 550      | 550                       | -                    | -                    | -                     | -                    | -                    |
|         | Magina Community Health Unit    | 30       | -                         | -                    | -                    | -                     | -                    | 30                   |
|         | Maisha Medical                  | 30       | 20                        | -                    | -                    | -                     | -                    | 10                   |
|         | Masogo Sub County Hospital      | 500      | 400                       | -                    | -                    | -                     | -                    | 100                  |
|         | Migere Health Centre            | 200      | -                         | -                    | -                    | -                     | -                    | 200                  |
|         | Migosi                          | 350      | 350                       | -                    | -                    | -                     | -                    | -                    |
|         | Miranga Sub County Hospital     | 100      | 100                       | -                    | -                    | -                     | -                    | -                    |
|         | Miwani Health Centre            | 300      | -                         | -                    | -                    | -                     | -                    | 300                  |
|         | Miwani North Community Unit     | 100      | -                         | -                    | -                    | -                     | -                    | 100                  |
|         | Muhoroni County Hospital        | 740      | 50                        | -                    | -                    | -                     | -                    | 690                  |
|         | Nyabola CDF Dispensary          | 100      | -                         | -                    | -                    | -                     | -                    | 100                  |
|         | Nyabondo Mission Hospital       | 900      | 700                       | -                    | -                    | -                     | -                    | 200                  |
|         | Nyakach County Hospital         | 1,240    | 1,000                     | -                    | -                    | -                     | -                    | 240                  |

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

| Vaccine | Facility                      | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage d and Disposed | Wastage and Disposed | Unexplain ed Variance |
|---------|-------------------------------|----------|---------------------------|----------------------|----------------------|-----------------------|----------------------|-----------------------|
|         | Nyalunya HC                   | 250      | 250                       | -                    | -                    | -                     | -                    | -                     |
|         | Nyamarimba Hospital           | 925      | 125                       | -                    | -                    | -                     | -                    | 800                   |
|         | Nyando                        | 100      | -                         | -                    | -                    | -                     | -                    | 100                   |
|         | Nyangande Sub County Hospital | 855      | -                         | -                    | -                    | -                     | -                    | 855                   |
|         | Nyang'oma Sub County Hospital | 590      | 395                       | -                    | -                    | -                     | -                    | 195                   |
|         | Oboch Dispensary              | 200      | -                         | -                    | -                    | -                     | -                    | 200                   |
|         | Obumba Dispensary             | 250      | -                         | -                    | -                    | -                     | -                    | 250                   |
|         | Ogen Dispensary               | 250      | -                         | -                    | -                    | -                     | -                    | 250                   |
|         | Olas Dispensary (Nyando)      | 20       | -                         | -                    | -                    | -                     | -                    | 20                    |
|         | Onyuongo Dispensary           | 300      | -                         | -                    | -                    | -                     | -                    | 300                   |
|         | Orongo Dispensary             | 150      | 150                       | -                    | -                    | -                     | -                    | -                     |
|         | Outreaches                    | 8,375    | 8,375                     | -                    | -                    | -                     | -                    | -                     |
|         | Pedo Dispensary               | 200      | -                         | -                    | -                    | -                     | -                    | 200                   |
|         | Rabuor Sub County Hospital    | 1,545    | -                         | -                    | -                    | -                     | -                    | 1,245                 |
|         | Rae Dispensary                | 400      | 100                       | -                    | -                    | -                     | -                    | 300                   |
|         | Ramula Dispensary             | 50       | -                         | -                    | -                    | -                     | -                    | 50                    |
|         | Sango Rota Health Centre      | 500      | -                         | -                    | -                    | -                     | -                    | 500                   |
|         | Sangoro Dispensary            | 200      | 25                        | 75                   | -                    | -                     | -                    | 100                   |
|         | Sigoti Health Centre          | 200      | 100                       | -                    | -                    | -                     | -                    | 100                   |
|         | Simba Opepo                   | 350      | 350                       | -                    | -                    | -                     | -                    | -                     |
|         | Sondu Sub County Hospital     | 450      | -                         | -                    | -                    | -                     | -                    | 450                   |
|         | St Clare Bolo Health Centre   | 50       | -                         | -                    | -                    | -                     | -                    | 50                    |
|         | St Elizabeth Hospital         | 350      | 350                       | -                    | -                    | -                     | -                    | -                     |
|         | St Georges Medical            | 30       | -                         | -                    | -                    | -                     | -                    | 30                    |

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

| Vaccine                   | Facility                   | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage d and Disposed | Wastage and Disposed | Unexplain ed Variance |
|---------------------------|----------------------------|----------|---------------------------|----------------------|----------------------|-----------------------|----------------------|-----------------------|
|                           | St. Consolata Hospital     | 20       | 20                        | -                    | -                    | -                     | -                    | -                     |
|                           | Tamu Health Centre         | 390      | 35                        | -                    | -                    | -                     | -                    | 355                   |
|                           | to Airport H/C             | 480      | -                         | -                    | -                    | -                     | -                    | 480                   |
|                           | to Chulaimbo               | 990      | -                         | 14                   | -                    | -                     | -                    | 976                   |
|                           | to kodiaga                 | 550      | -                         | -                    | -                    | -                     | -                    | 550                   |
|                           | to Maseno                  | 50       | 50                        | -                    | -                    | -                     | -                    | -                     |
|                           | to Maseno University HC    | 250      | 250                       | -                    | -                    | -                     | -                    | -                     |
|                           | to Nyahera                 | 650      | 650                       | -                    | -                    | -                     | -                    | -                     |
|                           | to Ober Kamoth             | 450      | -                         | -                    | -                    | -                     | -                    | 450                   |
|                           | to Ojolla                  | 255      | -                         | -                    | -                    | -                     | -                    | 255                   |
|                           | to Outreach                | 2,465    | -                         | -                    | -                    | -                     | -                    | 2,465                 |
|                           | to St. Mark                | 500      | -                         | -                    | -                    | -                     | -                    | 500                   |
| Janssen (Ad26.COV2) Total |                            | 46,490   | 21,420                    | 5,218                | 107                  | 204                   | -                    | 19,552                |
| Oxford/Astrazeneca        | County Store               | -        | -                         | -                    | 2,700                | -                     | -                    | -                     |
|                           | Kisumu West                | -        | -                         | -                    | 870                  | -                     | -                    | -                     |
|                           | Kisumu Central             | -        | -                         | -                    | 610                  | -                     | -                    | -                     |
|                           | Kisumu East                | -        | -                         | -                    | 418                  | -                     | -                    | -                     |
|                           | Agakhan                    | 3,900    | 3,900                     | 2,156                | -                    | -                     | -                    | -2,156                |
|                           | Ahero County Hospital      | 6,470    | -                         | -                    | -                    | -                     | -                    | 6,470                 |
|                           | Anding'o Opanga Dispensary | 190      | -                         | -                    | -                    | -                     | -                    | 190                   |
|                           | Angola Health Centre       | 884      | 864                       | -                    | -                    | -                     | -                    | 20                    |
|                           | Arito Langi Health Centre  | 180      | -                         | -                    | -                    | -                     | -                    | 180                   |

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



| Vaccine | Facility                        | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage and Disposed | Wastage and Disposed | Unexplained Variance |
|---------|---------------------------------|----------|---------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
|         | Avenue                          | 1,760    | 1,760                     | 1,422                | -                    | -                   | -                    | -1,422               |
|         | Awasi Mission Health Center     | 1,990    | -                         | -                    | -                    | -                   | -                    | 1,990                |
|         | Bethlehem Home Hospital         | 20       | 20                        | -                    | -                    | -                   | -                    | -                    |
|         | Bodi Health Centre              | 420      | -                         | -                    | -                    | -                   | -                    | 420                  |
|         | Bonde Dispensary                | 230      | -                         | -                    | -                    | -                   | -                    | 230                  |
|         | Bongu Konyango Dispensary       | 80       | -                         | -                    | -                    | -                   | -                    | 80                   |
|         | CCC                             | 940      | 940                       | -                    | -                    | -                   | -                    | -                    |
|         | Chemelil Dispensary (Mohoroni)  | 2,900    | 2,180                     | -                    | -                    | -                   | -                    | 720                  |
|         | Chemelil Sugar Health Centre    | 50       | -                         | -                    | -                    | -                   | -                    | 50                   |
|         | Cherwa Dispensary               | 130      | -                         | -                    | -                    | -                   | -                    | 130                  |
|         | chiga Health Facility           | 1,100    | 1,100                     | -                    | -                    | -                   | -                    | -                    |
|         | D.O.M                           | 830      | 830                       | -                    | -                    | -                   | -                    | -                    |
|         | gita                            | 14,640   | 5,200                     | 6,940                | -                    | -                   | -                    | 2,500                |
|         | Gita                            | 700      | -                         | 700                  | -                    | -                   | -                    | -                    |
|         | Got Nyabondo Health Centre      | 928      | 928                       | -                    | -                    | -                   | -                    | -                    |
|         | JOOTRH                          | 7,570    | 7,570                     | 5                    | -                    | -                   | -                    | -5                   |
|         | Kasongo Dispensary              | 300      | -                         | -                    | -                    | -                   | -                    | 300                  |
|         | Katito Sub County Hospital      | 4,462    | 1,430                     | -                    | -                    | -                   | -                    | 3,032                |
|         | Kibigori Dispensary             | 1,490    | -                         | 4,176                | -                    | -                   | -                    | -2,686               |
|         | Kibogo Dispensary               | 80       | -                         | 80                   | -                    | -                   | -                    | -                    |
|         | Kibos GK Prison                 | 1,610    | 1,610                     | -                    | -                    | -                   | -                    | -                    |
|         | Kibos Sugar Research Dispensary | 80       | 80                        | -                    | -                    | -                   | -                    | -                    |
|         | Kisumu County Referral Hospital | 6,980    | 6,980                     | -                    | -                    | -                   | -                    | -                    |
|         | Kisumu Regional Store           | 7,160    | -                         | -                    | -                    | -                   | -                    | 7,160                |
|         | Kodingo Health Centre           | 80       | -                         | -                    | -                    | -                   | -                    | 80                   |

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| Vaccine | Facility                         | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage d and Disposed | Wastage and Disposed | Unexplained Variance |
|---------|----------------------------------|----------|---------------------------|----------------------|----------------------|-----------------------|----------------------|----------------------|
|         | Kolenyo Health Centre            | 1,360    | -                         | -                    | -                    | -                     | -                    | 1,360                |
|         | Kombewa County Referral Hospital | 7,184    | -                         | -                    | -                    | -                     | -                    | 7,184                |
|         | Koru Dispensary                  | 1,340    | 60                        | 1,040                | -                    | -                     | -                    | 240                  |
|         | Koru Mission Health Centre       | 320      | 310                       | -                    | -                    | -                     | -                    | 10                   |
|         | Korwenje Dispensary              | 96       | -                         | -                    | -                    | -                     | -                    | 96                   |
|         | Kotunga Dispensary               | 710      | 700                       | -                    | -                    | -                     | -                    | 10                   |
|         | Kowino                           | 1,246    | 1,246                     | -                    | -                    | -                     | -                    | -                    |
|         | Kowino                           | 700      | 700                       | -                    | -                    | -                     | -                    | -                    |
|         | Kuoyo Health center              | 7,420    | 7,420                     | -                    | -                    | -                     | -                    | -                    |
|         | Kuoyo Kaila Health Centre        | 200      | 200                       | -                    | -                    | -                     | -                    | -                    |
|         | Langi Kawino Dispensary          | 100      | -                         | -                    | -                    | -                     | -                    | 100                  |
|         | Lumumba                          | 4,830    | 4,830                     | -                    | -                    | -                     | -                    | -                    |
|         | Maisha Medical                   | 20       | 20                        | -                    | -                    | -                     | -                    | -                    |
|         | Manyuanda Sub County Hospital    | 580      | -                         | -                    | -                    | -                     | -                    | 580                  |
|         | Masogo Sub County Hospital       | 4,762    | 4,480                     | -                    | -                    | -                     | -                    | 282                  |
|         | Migosi Sub County Hospital       | 4,630    | 4,630                     | -                    | -                    | -                     | -                    | -                    |
|         | Miranga Sub County Hospital      | 680      | 680                       | -                    | -                    | -                     | -                    | -                    |
|         | Miwani Health Centre             | 1,030    | -                         | -                    | -                    | -                     | -                    | 1,030                |
|         | Muhoroni County Hospital         | 5,718    | 2,960                     | 25                   | -                    | -                     | -                    | 2,733                |
|         | Nightgale                        | 4,810    | -                         | -                    | -                    | -                     | -                    | 4,810                |
|         | Nyabola CDF Dispensary           | 30       | -                         | -                    | -                    | -                     | -                    | 30                   |
|         | Nyabondo Mission Hospital        | 1,740    | 700                       | -                    | -                    | -                     | -                    | 1,040                |
|         | Nyabondo Rehabilitation Centre   | 50       | -                         | -                    | -                    | -                     | -                    | 50                   |
|         | Nyakach County Hospital          | 4,680    | 1,990                     | -                    | -                    | -                     | -                    | 2,690                |
|         | Nyakongo health Centre           | 60       | -                         | -                    | -                    | -                     | -                    | 60                   |

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| Vaccine | Facility                          | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage and Disposed | Wastage and Disposed | Unexplained Variance |
|---------|-----------------------------------|----------|---------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
|         | Nyalunya HC                       | 1,480    | 1,480                     | -                    | -                    | -                   | -                    | -                    |
|         | Nyamarimba Sub County Hospital    | 1,148    | 760                       | -                    | -                    | -                   | -                    | 388                  |
|         | Nyando                            | 200      | 200                       | -                    | -                    | 92                  | -                    | -                    |
|         | Nyangande Sub County Hospital     | 1,320    | -                         | -                    | -                    | -                   | -                    | 1,320                |
|         | Nyang'oma Sub County Hospital     | 4,140    | 2,346                     | -                    | -                    | -                   | -                    | 1,794                |
|         | Oboch Dispensary                  | 300      | -                         | -                    | -                    | -                   | -                    | 300                  |
|         | Obumba Dispensary                 | 1,130    | -                         | -                    | -                    | -                   | -                    | 1,130                |
|         | Ogen Dispensary                   | 300      | -                         | -                    | -                    | -                   | -                    | 300                  |
|         | Orongo Dispensary                 | 640      | 640                       | -                    | -                    | -                   | -                    | -                    |
|         | Outreach                          | 9,670    | 9,670                     | -                    | -                    | -                   | -                    | -                    |
|         | Outreaches                        | 20       | 20                        | -                    | -                    | -                   | -                    | -                    |
|         | Pedo Dispensary                   | 30       | -                         | -                    | -                    | -                   | -                    | 30                   |
|         | Rabuor Sub County Hospital        | 3,530    | 2,330                     | -                    | -                    | -                   | -                    | 900                  |
|         | Rae Dispensary                    | 30       | -                         | -                    | -                    | -                   | -                    | 30                   |
|         | Ramula Dispensary                 | 140      | -                         | -                    | -                    | -                   | -                    | 140                  |
|         | Rang'ul Dispensary                | 80       | -                         | -                    | -                    | -                   | -                    | 80                   |
|         | Ratta Health Centre               | 766      | 250                       | -                    | -                    | -                   | -                    | 516                  |
|         | Rodi Health Centre                | 1,970    | 1,300                     | -                    | -                    | -                   | -                    | 670                  |
|         | Sango Rota Health Centre          | 260      | -                         | -                    | -                    | -                   | -                    | 260                  |
|         | Sigoti Health Centre              | 60       | -                         | -                    | -                    | 100                 | -                    | 60                   |
|         | Simba Opepo                       | 2,030    | 2,030                     | -                    | -                    | -                   | -                    | -                    |
|         | Sondu Sub County Hospital         | 940      | 300                       | -                    | -                    | -                   | -                    | 640                  |
|         | St Elizabeth Hospital             | 2,000    | 1,650                     | -                    | -                    | -                   | -                    | 350                  |
|         | St Georges Medical                | 70       | 2                         | -                    | -                    | -                   | -                    | 68                   |
|         | St Vincents De Paul Health Centre | 340      | -                         | -                    | -                    | -                   | -                    | 340                  |

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| Vaccine                          | Facility                    | Receipts       | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage and Disposed | Wastage and Disposed | Unexplained Variance |
|----------------------------------|-----------------------------|----------------|---------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
|                                  | St. Consolata Hospital      | 210            | 210                       | -                    | -                    | -                   | -                    | -                    |
|                                  | Tamu Health Centre          | 1,400          | 1,400                     | -                    | -                    | -                   | -                    | -                    |
|                                  | to Airport H/C              | 260            | -                         | -                    | -                    | -                   | -                    | 260                  |
|                                  | to Chulaimbo                | 12,080         | -                         | 6,666                | -                    | -                   | -                    | 5,414                |
|                                  | to kodiaga                  | 2,580          | -                         | -                    | -                    | 100                 | -                    | 2,580                |
|                                  | to Masaba                   | 40             | -                         | -                    | -                    | -                   | -                    | 40                   |
|                                  | to Maseno                   | 300            | 300                       | -                    | -                    | -                   | -                    | -                    |
|                                  | to Maseno Mission           | 300            | 300                       | -                    | -                    | -                   | -                    | -                    |
|                                  | to Maseno School            | 450            | 450                       | -                    | -                    | -                   | -                    | -                    |
|                                  | to Maseno University HC     | 1,640          | 1,640                     | -                    | -                    | -                   | -                    | -                    |
|                                  | to Nyahera                  | 1,550          | 1,550                     | -                    | -                    | -                   | -                    | -                    |
|                                  | to Ober Kamoth              | 3,580          | -                         | -                    | -                    | 100                 | -                    | 3,580                |
|                                  | to Ojolla                   | 430            | -                         | -                    | -                    | -                   | -                    | 430                  |
|                                  | to Outreach                 | 6,370          | -                         | -                    | -                    | -                   | -                    | 6,370                |
|                                  | to Port Florence            | 50             | -                         | -                    | -                    | -                   | -                    | 50                   |
|                                  | to Rotta                    | 100            | -                         | -                    | -                    | -                   | -                    | 100                  |
|                                  | to Seme                     | 300            | -                         | -                    | -                    | -                   | -                    | 300                  |
|                                  | to St. Jairus               | 650            | -                         | -                    | -                    | -                   | -                    | 650                  |
|                                  | to St. Mark                 | 850            | -                         | -                    | -                    | -                   | -                    | 850                  |
| <b>Oxford/Astra Zeneca Total</b> |                             | <b>188,184</b> | <b>95,146</b>             | <b>23,210</b>        | <b>4,598</b>         | <b>392</b>          | <b>-</b>             | <b>69,528</b>        |
| Moderna                          | Ahero County Hospital       | 2,254          | -                         | -                    | -                    | 45                  | -                    | 2,254                |
|                                  | Arito Langi Health Centre   | 210            | -                         | -                    | -                    | -                   | -                    | 210                  |
|                                  | Awasi Mission Health Center | 1,540          | -                         | -                    | -                    | -                   | -                    | 1,540                |
|                                  | Bar Korwa Health Centre     | 350            | -                         | -                    | -                    | -                   | -                    | 350                  |

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| Vaccine | Facility                         | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage and Disposed | Wastage and Disposed | Unexplained Variance |
|---------|----------------------------------|----------|---------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
|         | Bodi Health Centre               | 280      | -                         | -                    | -                    | -                   | -                    | 280                  |
|         | Bonde Dispensary                 | 140      | -                         | -                    | -                    | -                   | -                    | 140                  |
|         | Chemelil Dispensary (Mohoroni)   | 630      | 574                       | -                    | -                    | -                   | -                    | 56                   |
|         | chiga Health Facility            | 28       | 28                        | -                    | -                    | -                   | -                    | -                    |
|         | D.O.M                            | 140      | 140                       | -                    | -                    | -                   | -                    | -                    |
|         | Gita                             | 3,416    | -                         | 3,416                | 40                   | -                   | -                    | -                    |
|         | Got Nyabondo Health Centre       | 825      | 825                       | -                    | -                    | -                   | -                    | -                    |
|         | Kadhiambo Dispensary             | 336      | -                         | -                    | -                    | -                   | -                    | 336                  |
|         | Katito Sub County Hospital       | 1,680    | 1,428                     | -                    | -                    | -                   | -                    | 252                  |
|         | Kibigori Dispensary              | 560      | -                         | -                    | -                    | -                   | -                    | 560                  |
|         | Kibos GK Prison                  | 500      | 500                       | -                    | -                    | -                   | -                    | -                    |
|         | Kibos Sugar Research Dispensary  | 196      | 196                       | -                    | -                    | -                   | -                    | -                    |
|         | Kinasia Dispensary               | 294      | -                         | -                    | -                    | -                   | -                    | 294                  |
|         | Kisumu Regional Store            | 1,680    | -                         | -                    | -                    | -                   | -                    | 1,680                |
|         | Kolenyo Health Centre            | 420      | -                         | -                    | -                    | -                   | -                    | 420                  |
|         | Kombewa County Referral Hospital | 280      | -                         | -                    | -                    | -                   | -                    | 280                  |
|         | Koru Mission Health Centre       | 182      | 168                       | 14                   | -                    | -                   | -                    | -                    |
|         | Kotunga Dispensary               | 140      | 100                       | -                    | -                    | -                   | -                    | 40                   |
|         | Kowino                           | 696      | 696                       | -                    | -                    | -                   | -                    | -                    |
|         | Kuoyo Health center              | 1,666    | 1,666                     | -                    | -                    | -                   | -                    | -                    |
|         | Kuoyo Kaila Health Centre        | 140      | 75                        | -                    | -                    | -                   | -                    | 65                   |
|         | Manyuanda Sub County Hospital    | 560      | -                         | -                    | -                    | -                   | -                    | 560                  |
|         | Masogo Sub County Hospital       | 1,708    | 1,650                     | -                    | -                    | -                   | -                    | 58                   |
|         | Miranga Sub County Hospital      | 420      | 420                       | -                    | -                    | -                   | -                    | -                    |
|         | Miwani Health Centre             | 140      | -                         | -                    | -                    | -                   | -                    | 140                  |

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

| Vaccine | Facility                          | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage d and Disposed | Wastage and Disposed | Unexplain ed Variance |
|---------|-----------------------------------|----------|---------------------------|----------------------|----------------------|-----------------------|----------------------|-----------------------|
|         | Muhoroni County Hospital          | 1,316    | 1,022                     | -                    | -                    | -                     | -                    | 294                   |
|         | Nduru Kadero Health Centre        | 280      | -                         | -                    | -                    | -                     | -                    | 280                   |
|         | Nyabondo Mission Hospital         | 630      | -                         | -                    | -                    | -                     | -                    | 630                   |
|         | Nyakach County Hospital           | 1,960    | 1,282                     | -                    | -                    | -                     | -                    | 678                   |
|         | Nyakongo health Centre            | 98       | -                         | -                    | -                    | -                     | -                    | 98                    |
|         | Nyalunya HC                       | 400      | 400                       | -                    | -                    | -                     | -                    | -                     |
|         | Nyamarimba Sub County Hospital    | 700      | 490                       | -                    | -                    | -                     | -                    | 210                   |
|         | Nyangande Sub County Hospital     | 1,190    | -                         | -                    | -                    | -                     | -                    | 1,190                 |
|         | Nyang'oma Sub County Hospital     | 1,120    | 1,120                     | -                    | -                    | -                     | -                    | -                     |
|         | Onyinjio Dispensary               | 140      | -                         | -                    | -                    | -                     | -                    | 140                   |
|         | Orongo Dispensary                 | 202      | 202                       | -                    | -                    | -                     | -                    | -                     |
|         | Osewre Dispensary                 | 210      | -                         | -                    | -                    | -                     | -                    | 210                   |
|         | Rabuor Sub County Hospital        | 1,848    | -                         | -                    | -                    | -                     | -                    | 1,848                 |
|         | Ratta Health Centre               | 210      | 70                        | -                    | -                    | -                     | -                    | 140                   |
|         | Rodi Health Centre                | 580      | 580                       | -                    | -                    | -                     | -                    | -                     |
|         | Simba Opepo                       | 490      | 490                       | -                    | -                    | -                     | -                    | -                     |
|         | Sondu Sub County Hospital         | 490      | 490                       | -                    | -                    | -                     | -                    | -                     |
|         | St Elizabeth Hospital             | 815      | 439                       | -                    | -                    | -                     | -                    | 376                   |
|         | St Vincents De Paul Health Centre | 140      | -                         | -                    | -                    | -                     | -                    | 140                   |
|         | St. Consolata Hospital            | 220      | 220                       | -                    | -                    | -                     | -                    | -                     |
|         | Tamu Health Centre                | 616      | 420                       | -                    | -                    | -                     | -                    | 196                   |
|         | to Airport H/C                    | 168      | -                         | -                    | -                    | -                     | -                    | 168                   |
|         | to Chulaimbo                      | 1,792    | -                         | 952                  | -                    | -                     | -                    | 840                   |
|         | to kodiaga                        | 1,680    | -                         | -                    | -                    | -                     | -                    | 1,680                 |
|         | to Maseno Mission                 | 658      | 658                       | -                    | -                    | -                     | -                    | -                     |

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| Vaccine              | Facility                       | Receipts      | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage and Disposed | Wastage and Disposed | Unexplained Variance |
|----------------------|--------------------------------|---------------|---------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
|                      | to Maseno University HC        | 490           | 490                       | -                    | -                    | -                   | -                    | -                    |
|                      | to Nyahera                     | 1,522         | 1,522                     | -                    | -                    | -                   | -                    | -                    |
|                      | to Ober Kamoth                 | 560           | -                         | -                    | -                    | -                   | -                    | 560                  |
|                      | to Ojolla                      | 384           | -                         | -                    | -                    | -                   | -                    | 384                  |
|                      | to Outreach                    | 866           | -                         | -                    | -                    | -                   | -                    | 866                  |
|                      | to Port Florence               | 56            | -                         | -                    | -                    | -                   | -                    | 56                   |
|                      | to St. Jairus                  | 56            | -                         | -                    | -                    | -                   | -                    | 56                   |
|                      | to St. Mark                    | 98            | -                         | -                    | -                    | -                   | -                    | 98                   |
| <b>Moderna Total</b> |                                | <b>43,396</b> | <b>18,361</b>             | <b>4,382</b>         | <b>40</b>            | <b>45</b>           | <b>-</b>             | <b>20,653</b>        |
| Pfizer               | Kisumu west                    | -             | -                         | -                    | 3,066                | -                   | -                    | -                    |
|                      | Kisumu Central                 | -             | -                         | -                    | 72                   | -                   | -                    | -                    |
|                      | Agakhan                        | 3,420         | 3,420                     | -                    | -                    | -                   | -                    | -                    |
|                      | Aghakan                        | 1,956         | 1,956                     | 2,064                | -                    | -                   | -                    | -2,064               |
|                      | Ahero County Hospital          | 9,444         | -                         | -                    | -                    | -                   | -                    | 9,444                |
|                      | Angola Health Centre           | 648           | 342                       | -                    | -                    | -                   | -                    | 306                  |
|                      | Avenue Health care             | 60            | 60                        | -                    | -                    | -                   | -                    | -                    |
|                      | Awasi Mission Health Center    | 6,336         | -                         | -                    | -                    | -                   | -                    | 6,336                |
|                      | CCC                            | 246           | 246                       | -                    | -                    | 128                 | -                    | -                    |
|                      | Chemelil Dispensary (Mohoroni) | 1,410         | 1,410                     | -                    | -                    | -                   | -                    | -                    |
|                      | Chemelil Sugar Health Centre   | 540           | -                         | -                    | -                    | -                   | -                    | 540                  |
|                      | Chiga Health Facility          | 786           | 786                       | -                    | -                    | -                   | -                    | -                    |
|                      | D.O.M                          | 532           | 532                       | -                    | -                    | -                   | -                    | -                    |
|                      | Gita                           | 10,992        | 1,110                     | 9,882                | -                    | 100                 | -                    | -                    |

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| Vaccine | Facility                        | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage and Disposed | Wastage and Disposed | Unexplained Variance |
|---------|---------------------------------|----------|---------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
|         | Got Nyabondo Health Centre      | 252      | 252                       | -                    | -                    | -                   | -                    | -                    |
|         | Huduma                          | 1,404    | 1,404                     | -                    | -                    | -                   | -                    | -                    |
|         | JOOTRH                          | 7,296    | 7,296                     | -                    | -                    | -                   | -                    | -                    |
|         | K.CRH CCC                       | 78       | 78                        | -                    | 120                  | -                   | -                    | -                    |
|         | Kandage Dispensary              | 300      | -                         | 952                  | -                    | -                   | -                    | -652                 |
|         | Katito Sub County Hospital      | 1,140    | 600                       | -                    | -                    | -                   | -                    | 540                  |
|         | KCRH                            | 10,607   | 10,607                    | -                    | -                    | -                   | -                    | -                    |
|         | KCRH CCC                        | 18       | 18                        | -                    | -                    | -                   | -                    | -                    |
|         | KCRH-CCC                        | 630      | 630                       | -                    | -                    | -                   | -                    | -                    |
|         | Kibigori Dispensary             | 180      | -                         | 180                  | -                    | -                   | -                    | -                    |
|         | Kibos GK Prison                 | 2,916    | 2,916                     | -                    | -                    | -                   | -                    | -                    |
|         | Kibos Sugar Research Dispensary | 60       | 60                        | -                    | -                    | -                   | -                    | -                    |
|         | Kisumu East                     | 90       | 90                        | -                    | -                    | -                   | -                    | -                    |
|         | KMTC                            | 180      | 180                       | -                    | -                    | -                   | -                    | -                    |
|         | Koru Dispensary                 | 1,386    | -                         | -                    | -                    | -                   | -                    | 1,386                |
|         | Kotunga Dispensary              | 378      | 378                       | -                    | -                    | -                   | -                    | -                    |
|         | Kowino                          | 1,802    | 1,802                     | -                    | -                    | -                   | -                    | -                    |
|         | Kuoyo Health center             | 5,976    | 5,976                     | -                    | -                    | -                   | -                    | -                    |
|         | Kuoyo Kaila Health Centre       | 360      | 360                       | -                    | -                    | -                   | -                    | -                    |
|         | Lisana Dispensary               | 120      | 120                       | -                    | -                    | -                   | -                    | -                    |
|         | Lumumba                         | 3,834    | 3,834                     | -                    | -                    | -                   | -                    | -                    |
|         | Maisha Medical                  | 30       | 24                        | -                    | 6                    | -                   | -                    | 6                    |
|         | Masogo Sub County Hospital      | 1,230    | 1,080                     | -                    | -                    | -                   | -                    | 150                  |
|         | Migere Health Centre            | 780      | -                         | -                    | -                    | -                   | -                    | 780                  |
|         | Migosi                          | 3,978    | 3,978                     | -                    | -                    | -                   | -                    | -                    |

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| Vaccine | Facility                       | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage and Disposed | Wastage and Disposed | Unexplained Variance |
|---------|--------------------------------|----------|---------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
|         | Miranga Sub County Hospital    | 444      | 444                       | -                    | -                    | -                   | -                    | -                    |
|         | Miwani Health Centre           | 156      | -                         | -                    | -                    | -                   | -                    | 156                  |
|         | Muhoroni County Hospital       | 1,524    | -                         | -                    | -                    | -                   | -                    | 1,524                |
|         | Nightinangale                  | 280      | -                         | -                    | -                    | -                   | -                    | 280                  |
|         | Nightingale                    | 750      | -                         | -                    | -                    | -                   | -                    | 750                  |
|         | Nyabondo Mission Hospital      | 1,500    | 1,500                     | -                    | -                    | -                   | -                    | -                    |
|         | Nyakach County Hospital        | 1,650    | 750                       | -                    | -                    | -                   | -                    | 900                  |
|         | Nyalunya HC                    | 1,086    | 1,086                     | -                    | -                    | -                   | -                    | -                    |
|         | Nyamaringa Sub County Hospital | 480      | 330                       | -                    | -                    | -                   | -                    | 150                  |
|         | Nyangande Sub County Hospital  | 4,530    | -                         | -                    | -                    | -                   | -                    | 4,530                |
|         | Nyang'oma Sub County Hospital  | 1,446    | 1,296                     | -                    | -                    | -                   | -                    | 150                  |
|         | Oboch Dispensary               | 150      | -                         | -                    | -                    | -                   | -                    | 150                  |
|         | Obumba Dispensary              | 1,050    | -                         | -                    | -                    | -                   | -                    | 1,050                |
|         | Orongo Dispensary              | 270      | 234                       | -                    | 72                   | -                   | -                    | 36                   |
|         | Outreach                       | 11,053   | 11,053                    | -                    | -                    | -                   | -                    | -                    |
|         | Outreaches                     | 5,502    | 5,502                     | -                    | -                    | -                   | -                    | -                    |
|         | Rabur Sub County Hospital      | 7,740    | 960                       | -                    | -                    | -                   | -                    | 6,780                |
|         | Rae Dispensary                 | 120      | -                         | -                    | -                    | -                   | -                    | 120                  |
|         | Ramula Dispensary              | 360      | -                         | -                    | -                    | -                   | -                    | 360                  |
|         | Sango Rota Health Centre       | 150      | -                         | -                    | -                    | -                   | -                    | 150                  |
|         | Simba Opepo                    | 768      | 768                       | -                    | -                    | -                   | -                    | -                    |
|         | Sundu Sub County Hospital      | 870      | 570                       | -                    | -                    | -                   | -                    | 300                  |
|         | St Elizabeth Hospital          | 1,440    | 1,440                     | -                    | -                    | -                   | -                    | -                    |
|         | St Georges Medical             | 126      | 95                        | -                    | -                    | -                   | -                    | 31                   |
|         | St. Consolata Hospital         | 84       | 84                        | -                    | -                    | -                   | -                    | -                    |

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| Vaccine             | Facility                | Receipts       | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damage and Disposed | Wastage and Disposed | Unexplained Variance |
|---------------------|-------------------------|----------------|---------------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
|                     | Tamu Health Centre      | 678            | 678                       | -                    | -                    | -                   | -                    | -                    |
|                     | to Airport H/C          | 1,060          | -                         | -                    | -                    | -                   | -                    | 1,060                |
|                     | to Chulaimbo            | 7,546          | -                         | 2,156                | -                    | -                   | -                    | 5,390                |
|                     | to Kisumu Central       | 1,180          | -                         | -                    | -                    | -                   | -                    | 1,180                |
|                     | to kodiaga              | 1,512          | -                         | -                    | -                    | -                   | -                    | 1,512                |
|                     | to Maseno University HC | 1,318          | 1,318                     | -                    | -                    | -                   | -                    | -                    |
|                     | to Nyahera              | 2,068          | 2,068                     | -                    | -                    | -                   | -                    | -                    |
|                     | to Ober Kamoth          | 3,512          | -                         | -                    | -                    | -                   | -                    | 3,512                |
|                     | to Ojolla               | 2,180          | -                         | -                    | -                    | -                   | -                    | 2,180                |
|                     | to Outreach             | 3,558          | -                         | -                    | -                    | -                   | -                    | 3,558                |
|                     | to Seme                 | 300            | -                         | -                    | -                    | -                   | -                    | 300                  |
|                     | to St. Jairus           | 300            | -                         | -                    | -                    | -                   | -                    | 300                  |
|                     | to St. Mark             | 546            | -                         | -                    | -                    | -                   | -                    | 546                  |
| <b>Pfizer Total</b> |                         | <b>150,682</b> | <b>81,721</b>             | <b>15,234</b>        | <b>3,336</b>         | <b>228</b>          | <b>-</b>             | <b>53,727</b>        |
| <b>Grand Total</b>  |                         | <b>428,752</b> | <b>216,648'</b>           | <b>48,044</b>        | <b>8,081</b>         | <b>869</b>          | <b>-</b>             | <b>155,110</b>       |

Note<sup>1</sup> : The facilities were using the credentials of Sub Counties to record for doses received and administered. Thus, even though the system indicated under the sub-Counties that 560,322 doses had been administered, only 216,648 doses had been updated against the facilities at the time of the audit.

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

| Sub County           | D1       | D2       | D3       | D4       | D5       | D6       | D7       |
|----------------------|----------|----------|----------|----------|----------|----------|----------|
| Kisumu Central       | No       | No       | No       | No       | No       | No       | No       |
| Kisumu West          | No       | No       | No       | No       | No       | No       | Yes      |
| Muhoroni             | No       | No       | Yes      | No       | No       | Yes      | Yes      |
| Nyakach              | No       | No       | Yes      | No       | No       | No       | Yes      |
| Nyando               | No       | No       | Yes      | No       | No       | No       | Yes      |
| Kisumu East          | No       | No       | No       | No       | No       | No       | No       |
| Seme                 | No       | No       | No       | No       | No       | No       | Yes      |
| <b>Compliant</b>     | <b>0</b> | <b>0</b> | <b>3</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>5</b> |
| <b>Non-Compliant</b> | <b>7</b> | <b>7</b> | <b>4</b> | <b>7</b> | <b>7</b> | <b>6</b> | <b>2</b> |

### Key/Details:

|           |                                                                                                                                                                                                                |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>D1</b> | Was a waste management plan developed at either the national county level?                                                                                                                                     |
| <b>D2</b> | Was there a budget developed for the disposal of COVID-19 waste?                                                                                                                                               |
| <b>D3</b> | Did COVID-19 waste transported from one county to another have clearance from NEMA?                                                                                                                            |
| <b>D4</b> | Were disposed vaccine vials recorded and accounted for in the vaccine inventory report?                                                                                                                        |
| <b>D5</b> | Did the County/Store fill out an 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? |
| <b>D6</b> | Are the disposals done at a NEMA-approved pharmaceutical disposal site in compliance with the Guidelines for safe management of pharmaceutical waste?                                                          |
| <b>D7</b> | Was pharmaceutical waste disposal 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 – Kisumu County-Private

| Sub County           | Facility                    | D1        | D2        | D3        | D4        | D5       | D6        | D7        | D8        | D9       | D10       | D11       | D12       | D13      |
|----------------------|-----------------------------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|
| Kisumu Central       | Avenue Health Care Facility | No        | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | Yes       | Yes      | Yes       | No        | Yes       | No       |
|                      | Nightingale Milimani        | No        | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | No        | No       |
|                      | The Agakhan Hospital Kisumu | No        | Yes       | Yes       | Yes       | No       | Yes       | Yes       | Yes       | No       | Yes       | Yes       | No        | No       |
| Kisumu East          | Disciples of Mercy Clinic   | No        | Yes       | Yes       | No        | No       | No        | Yes       |           | No       | Yes       | Yes       | No        | No       |
|                      | St. Consolata               | No        | Yes       | Yes       | Yes       | No       | No        | Yes       | Yes       | Yes      | Yes       | No        | No        | No       |
|                      | Olps Clinic                 | No        | Yes       | Yes       | Yes       | No       | Yes       | Yes       | Yes       | No       | Yes       | Yes       | No        | No       |
|                      | St. George's Medical        | No        | Yes       | Yes       | Yes       | No       | Yes       | Yes       | Yes       | No       | Yes       | Yes       | No        | No       |
|                      | St. Monica's Hospital       | No        | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | No        | No       |
| Kisumu West          | Maseno Mission              | No        | Yes       | Yes       | No        | Yes      | Yes       | Yes       | Yes       | Yes      | Yes       | No        | No        | No       |
| Muhoroni             | Koru Mission Hospital       | No        | Yes       | Yes       | Yes       | No       | Yes       | Yes       | Yes       | No       | Yes       | Yes       | No        | No       |
| Nyakach              | Bethlehem Home hospital     | No        | Yes       | Yes       | No        | Yes      | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | Yes       | No       |
|                      | Nyabondo Mission Hospital   | No        | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | No        | No       |
|                      | St. Clares Bolo             | No        | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | Yes       | Yes      | No        | No        | No        |          |
| Nyando               | Awasi Mission               | No        | No        | Yes       | No        | Yes      | Yes       | Yes       | Yes       | No       | Yes       | Yes       | No        | No       |
| Seme                 | Bar Korwa                   | No        | No        | Yes       | No        | Yes      | Yes       | Yes       | Yes       | Yes      | Yes       | Yes       | Yes       | Yes      |
| <b>Compliant</b>     |                             | <b>0</b>  | <b>13</b> | <b>15</b> | <b>10</b> | <b>9</b> | <b>13</b> | <b>15</b> | <b>14</b> | <b>9</b> | <b>14</b> | <b>11</b> | <b>12</b> | <b>0</b> |
| <b>Non-Compliant</b> |                             | <b>15</b> | <b>2</b>  | <b>0</b>  | <b>5</b>  | <b>6</b> | <b>2</b>  | <b>0</b>  | <b>1</b>  | <b>6</b> | <b>1</b>  | <b>4</b>  | <b>3</b>  | <b>1</b> |

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### Key/ Details:

| No. | Audit Procedures                                                                                                                                                                                                                                                           |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Does the facility have a waste management plan?                                                                                                                                                                                                                            |
| 2   | Is the pharmaceutical waste is separated from the sharp waste and other healthcare wastes, and the different wastes are securely packaged in plastic bags or rigid containers which are clearly labeled.                                                                   |
| 3   | Is the pharmaceutical waste stored in designated quarantine stores and away from usable pharmaceuticals?                                                                                                                                                                   |
| 4   | Does the Facility Transport Pharmaceutical Waste?                                                                                                                                                                                                                          |
| 5   | Is the pharmaceutical waste transported to a NEMA-approved Waste Disposal Site?                                                                                                                                                                                            |
| 6   | Was there pharmaceutical waste transported from one county to another that had clearance from NEMA                                                                                                                                                                         |
| 7   | Does the facility have an incinerator, burning chamber, or burning pit?                                                                                                                                                                                                    |
| 8   | Is the method used to dispose of sharp waste (syringes and needles) by the Healthcare facility complying with the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used COVID-19 vaccines vials and ancillary supply?                    |
| 9   | Are the quantity and the method used to dispose of 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 |
| 10  | were the disposed vaccine vials recorded and accounted for in the vaccine inventory report?                                                                                                                                                                                |
| 11  | Did the Healthcare facility fill out an 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  | Was the disposal of pharmaceutical waste was supervised by a Pharmacy and Poisons Board inspector and at NEMA-approved pharmaceutical disposal sites in compliance with the Guidelines for safe management of pharmaceutical waste?                                        |
| 13  | Was the Healthcare facility issued a certificate of safe disposal of pharmaceutical waste in compliance with the Guidelines for secure management of pharmaceutical waste?                                                                                                 |

### Appendix 9: Disposal at Facility Level - Public

| Sub County     | Facility                              | D1  | D2 | D3  | D4  | D5  | D6  | D7  | D8 | D9  | D10 | D11 | D12 |
|----------------|---------------------------------------|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|
| Kisumu Central | JOOTRH Facility                       | No  | No | Yes | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | JOOTRH CCC Facility                   | No  | No | Yes | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | KCRH-CCC                              | No  | No | No  | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | KCRH Facility                         | No  | No | No  | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | Lumumba Facility                      | No  | No | No  | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | Migosi Sub County                     | No  | No | Yes | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
| Kisumu East    | Got Nyabondo                          | No  | No | No  | Yes | Yes | Yes | No  | No | Yes | No  | No  | No  |
|                | Kibos G.K. Prison HC                  | No  | No | Yes | Yes | Yes | Yes | Yes | No | No  | Yes | Yes | Yes |
|                | Kowino Dispensary                     | No  | No | Yes | Yes | Yes | No  | Yes | No | No  | Yes | Yes | Yes |
|                | Kuoyo Dispensary                      | No  | No | Yes | Yes | Yes | No  | Yes | No | Yes | Yes | Yes | Yes |
|                | Nyalunya                              | No  | No | No  | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | Kotunga Dispensary                    | No  | No | No  | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | Angola Comm Dispensary                | No  | No | No  | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | Chiga Health Centre                   | No  | No | No  | Yes | Yes | No  | No  | No | Yes | Yes | No  | Yes |
|                | Gita Facility                         | No  | No | Yes | No  | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | Orongo Dispensary                     | No  | No | Yes | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | Simba Opepo Facility                  | No  | No | Yes | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | Kibos sugar Research Dispensary       | No  | No | No  | Yes | Yes | No  | No  | No | Yes | Yes | Yes | Yes |
|                | Airport Health Center                 | No  | No | Yes | No  | Yes | No  | No  | No | Yes | No  | No  | Yes |
|                | Chulaimbo                             | No  | No | Yes | No  | Yes | No  | No  | No | Yes | No  | No  | Yes |
| Kisumu West    | Chulaimbo                             | No  | No | Yes | No  | Yes | No  | No  | No | Yes | No  | No  | Yes |
|                | Maseno University Healthcare Facility | Yes | No | Yes | Yes | Yes | No  | No  | No | Yes | No  | No  | Yes |
|                | Nyahera Sub County Hospital           | No  | No | Yes | Yes | Yes | No  | No  | No | Yes | No  | No  | Yes |
|                | Ober Kamoth                           | No  | No | Yes | Yes | Yes | No  | No  | No | Yes | No  | No  | Yes |
|                | Ojola Sub County                      | No  | No | Yes | No  | Yes | No  | Yes | No | Yes | Yes | Yes | Yes |
|                | Port Florence Otongolo                | No  | No | Yes | No  | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes |



| Sub County | Facility                        | D1 | D2 | D3  | D4  | D5  | D6  | D7  | D8  | D9  | D10 | D11 | D12 |
|------------|---------------------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Muhoroni   | Nyangoma Sub County Hospital    | No | No | Yes | No  | Yes | Yes | No  | No  | Yes | No  | No  | Yes |
|            | Masogo Sub County Hospital      | No | No | Yes | No  | Yes | Yes | No  | No  | Yes | Yes | Yes | Yes |
|            | Kibigori                        | No | No | Yes | Yes | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Nyangoma Sub County hospital    | No | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes |
|            | Kori Dispensary                 | No | No | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes |
|            | Masogo                          | No | No | Yes | No  | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes |
|            | Muhoroni County Hospital        | No | No | Yes | Yes | Yes | Yes | No  | No  | Yes | Yes | Yes | Yes |
|            | Nyang'oma Sub County Hospital   | No | No | Yes | No  | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes |
|            | Obumba                          | No | No | Yes | Yes | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes |
|            | Nyang'oma Sub County Hospital   | No | No | Yes | No  | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes |
|            | Adingo Opanga                   | No | No | No  | Yes | Yes | No  | No  | No  | Yes | Yes | No  | Yes |
|            | Bonde                           | No | No | No  | No  | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
| Nyakach    | Cherwa Dispensary               | No | No | Yes | No  | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Gari                            | No | No | No  | Yes | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Kandaria Medical Centre         | No | No | Yes | Yes | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Katito Sub County Hospital      | No | No | No  | No  | No  | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Kibogo Dispensary               | No | No | Yes | Yes | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Kodingo Health Centre           | No | No | No  | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes |
|            | Lisana                          | No | No | No  | No  | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Nyabola                         | No | No | No  | No  | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Nyabondo Rehabilitation Centre  | No | No | Yes | Yes | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Nyakach County Hospital         | No | No | Yes | Yes | No  | Yes | No  | No  | Yes | No  | No  | Yes |
|            | Nyamaringba Sub County Hospital | No | No | Yes | Yes | No  | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Oboch Dispensary                | No | No | Yes | Yes | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Pedo Dispensary                 | No | No | Yes | Yes | No  | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Rae Dispensary                  | No | No | No  | Yes | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|            | Rang'ul Dispensary              | No | No | Yes | Yes | Yes | No  | Yes | No  | Yes | Yes | Yes | Yes |
|            | Sango Rota Health Centre        | No | No | Yes | Yes | No  | No  | No  | No  | Yes | Yes | Yes | Yes |



| Sub County    | Facility                      | D1 | D2 | D3  | D4  | D5  | D6  | D7  | D8  | D9  | D10 | D11 | D12 |
|---------------|-------------------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|               | Sangoro Dispensary            | No | No | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|               | Sigoti Health Centre          | No | No | Yes | Yes | No  | No  | Yes | Yes | Yes | Yes | Yes | Yes |
|               | Sondu Sub County Hospital     | No | No | Yes | Yes | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
| Nyando        | Ahero county Hospital         | No | No | No  | Yes | No  | No  | No  | No  | Yes | Yes | Yes | Yes |
| Nyando        | Rabur                         | No | No | Yes | Yes | No  | No  | No  | No  | Yes | Yes | Yes | Yes |
| Nyando        | Nyangande Sub County Hospital | No | No | Yes | Yes | No  | No  | No  | No  | Yes | Yes | Yes | Yes |
| Seme          | Arito Langi                   | No | No | Yes | No  | Yes | Yes | No  | No  | Yes | No  | No  | Yes |
|               | Bongu Konyango                | No | No | Yes | No  | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes |
|               | Kolenyo Health Centre         | No | No | No  | Yes | Yes | No  | No  | No  | Yes | Yes | Yes | Yes |
|               | Korwenje Health Facility      | No | No | Yes | No  | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes |
|               | Kuoyo Kaila Dispensary        | No | No | Yes | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|               | Lange Kowino                  | No | No | Yes | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|               | Manyuanda Health Centre       | No | No | Yes | No  | Yes | Yes | No  | No  | Yes | No  | No  | Yes |
|               | Miranga Sub County Hospital   | No | No | Yes | No  | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes |
|               | Nduru Kadero Dispensary       | No | No | Yes | No  | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes |
|               | Onyinjo Dispensary            | No | No | Yes | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|               | Onyinjo Dispensary            | No | No | Yes | Yes | No  | No  | No  | No  | Yes | Yes | Yes | Yes |
|               | Osewre Health Center          | No | No | Yes | No  | Yes | Yes | No  | No  | Yes | Yes | Yes | Yes |
|               | Rotta                         | No | No | Yes | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|               | Rodi Sub County Hospital      | No | No | Yes | Yes | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes |
| Compliant     |                               | 1  | 0  | 56  | 46  | 62  | 28  | 24  | 8   | 71  | 63  | 61  | 73  |
| Non-Compliant |                               | 74 | 75 | 18  | 28  | 12  | 46  | 50  | 66  | 3   | 11  | 13  | 1   |

**Key/Details:**

|    |                                                                                                                                                                                                                                                                                                                                                                                                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Does the facility have a waste management plan?                                                                                                                                                                                                                                                                                                                                                  |
| 2  | Was there a budget for the disposal of COVID-19 Waste?                                                                                                                                                                                                                                                                                                                                           |
| 3  | Was there pharmaceutical waste separated from the sharp waste and other healthcare wastes and the other wastes securely packaged in plastic bags or rigid containers which are clearly labeled?                                                                                                                                                                                                  |
| 4  | Was pharmaceutical waste stored in designated quarantine stores and away from usable pharmaceuticals? (Applicable to facilities with large volumes of daily waste, that do not transport/dispose daily)                                                                                                                                                                                          |
| 5  | Is the public health officer involved in the disposal of COVID-19 Waste? (Storage, Transportation, and Supervision of Disposal)                                                                                                                                                                                                                                                                  |
| 6  | 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)                                                                                                                                                                                           |
| 7  | 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 authorization for the transportation)                                                                                                                                                         |
| 8  | Was there a pharmaceutical waste transported from one county to another that had clearance from NEMA                                                                                                                                                                                                                                                                                             |
| 9  | Does the facility have an incinerator, burning chamber, or burning pit?                                                                                                                                                                                                                                                                                                                          |
| 10 | 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 another debris is to be burnt in a burning chamber) |
| 11 | 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 vaccine vials and ancillary supply? (requirement is Treatment by disinfection with solution, encapsulation, autoclaving, or incineration)        |
| 12 | Were the disposed vaccine vials recorded and accounted for in the vaccine inventory report?                                                                                                                                                                                                                                                                                                      |



### Appendix 10: HR at Sub County Level – Kisumu County

| Sub County           | HR1      | HR2      | HR3      | HR4      | HR6      | HR7      | HR8      |
|----------------------|----------|----------|----------|----------|----------|----------|----------|
| Kisumu central       | No       | Yes      | Yes      | Yes      | No       | No       | Yes      |
| Kisumu West          | No       | Yes      | Yes      | Yes      | No       | No       | Yes      |
| Muhoroni             | No       | Yes      | Yes      | Yes      | No       | No       | Yes      |
| Nyakach              | No       | Yes      | No       | Yes      | No       | No       | Yes      |
| Nyando               | No       | Yes      | No       | Yes      | No       | No       | Yes      |
| Kisumu East          | No       | Yes      | Yes      | Yes      | No       | No       | Yes      |
| Seme                 | No       | Yes      | Yes      | Yes      | No       | No       | Yes      |
| <b>Compliant</b>     | <b>0</b> | <b>7</b> | <b>5</b> | <b>7</b> | <b>0</b> | <b>0</b> | <b>7</b> |
| <b>Non-Compliant</b> | <b>7</b> | <b>0</b> | <b>2</b> | <b>0</b> | <b>7</b> | <b>7</b> | <b>0</b> |

### Key/Details:

|     |                                                                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR1 | Was the county represented in National training for ToTs? If Yes 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 11: HR at Facility Level – Kisumu County

| Sub County     | Facility                             | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|----------------|--------------------------------------|-----|-----|-----|-----|-----|-----|
| Kisumu Central | Avenue Health Care Facility          | No  | No  | Yes | Yes | Yes | No  |
|                | JOOTRH Facility                      | Yes | Yes | Yes | Yes | Yes | No  |
|                | JOOTRH CCC Facility                  | Yes | Yes | Yes | Yes | Yes | No  |
|                | KCRH-CCC Facility                    | No  | Yes | Yes | Yes | Yes | No  |
|                | KCRH Facility                        | Yes | Yes | Yes | Yes | Yes | No  |
|                | Lumumba Facility                     | Yes | Yes | No  | No  | Yes | No  |
|                | Migosi Sub County                    | Yes | Yes | Yes | Yes | Yes | No  |
|                | Nightingale Milimani                 | Yes | Yes | Yes | Yes | Yes | No  |
|                | The Agakhan Hospital Kisumu Facility | Yes | No  | Yes | Yes | Yes | No  |
|                | Kibos sugar Research Dispensary      | No  | No  | Yes | Yes | Yes | No  |
| Kisumu East    | Kibos G.K. Prison HC                 | Yes | Yes | Yes | Yes | Yes | No  |
|                | Kowino                               | No  | No  | Yes | Yes | Yes | No  |
|                | Kuoyo HC                             | No  | Yes | Yes | Yes | Yes | No  |
|                | Nyalunya                             | No  | Yes | Yes | Yes | Yes | No  |
|                | St. Consolata Hospital               | Yes | Yes | Yes | Yes | Yes | No  |
|                | Gita                                 | Yes | No  | Yes | No  | Yes | No  |
|                | Got Nyabondo                         | Yes | No  | Yes | No  | Yes | No  |
|                | Kotunga Dispensary                   | Yes | Yes | Yes | Yes | Yes | No  |
|                | Angola Comm Dispensary               | Yes | Yes | Yes | Yes | Yes | No  |
|                | Chiga Health Care Facility           | Yes | Yes | Yes | Yes | Yes | No  |
|                | Disciple of Mercy Clinic             | Yes | Yes | Yes | Yes | Yes | No  |
|                | Olps Clinic                          | Yes | Yes | Yes | Yes | Yes | No  |
|                | Orongo Dispensary Facility           | Yes | Yes | Yes | Yes | Yes | No  |
|                | Simba Opepo Facility                 | Yes | Yes | Yes | Yes | Yes | No  |

| Sub County  | Facility                                    | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|-------------|---------------------------------------------|-----|-----|-----|-----|-----|-----|
| Kisumu West | St. George's Medical                        | Yes | Yes | Yes | Yes | Yes | No  |
|             | St. Monica Hospital                         | No  | No  | Yes | Yes | Yes | No  |
|             | St Elizabeth hosp Facility                  | Yes | Yes | Yes | Yes | Yes | No  |
|             | Chulaimbo                                   | No  | No  | Yes | Yes | Yes | No  |
|             | Ojola Sub County                            | Yes | Yes | Yes | Yes | Yes | No  |
|             | Port Florence Otongolo                      | Yes | Yes | Yes | Yes | Yes | No  |
|             | Airport Health Centre Facility              | Yes | Yes | Yes | Yes | Yes | No  |
|             | Kibigori                                    | Yes | Yes | Yes | Yes | Yes | No  |
|             | Kodiaga Prison Sub County Hospital Facility | Yes | Yes | Yes | Yes | Yes | No  |
|             | Maseno Mission Hospital Facility            | No  | No  | Yes | Yes | Yes | No  |
| Muhoroni    | Maseno University Health Centre Facility    | Yes | No  | Yes | Yes | Yes | No  |
|             | Nyahera Sub County Hospital Facility        | Yes | No  | Yes | Yes | Yes | No  |
|             | Ober Kamoth Facility                        | Yes | Yes | Yes | Yes | Yes | No  |
|             | Masogo                                      | Yes | Yes | Yes | Yes | Yes | No  |
|             | Nyagoma                                     | Yes | Yes | Yes | Yes | Yes | No  |
|             | Koru Dispensary                             | No  | No  | Yes | Yes | Yes | No  |
|             | Koru Mission Hospital                       | Yes | Yes | Yes | Yes | Yes | No  |
|             | Masogo                                      | No  | No  | Yes | Yes | Yes | No  |
|             | Muhoroni County Hospital                    | Yes | Yes | Yes | Yes | Yes | No  |
|             | Nyalunya                                    | Yes | Yes | Yes | Yes | Yes | No  |
| Nyakach     | Nyagoma                                     | No  | No  | Yes | Yes | Yes | No  |
|             | Obumba Dispensary Facility                  | Yes | Yes | Yes | Yes | Yes | No  |
|             | Adingo Oponga Facility                      | Yes | Yes | Yes | Yes | Yes | No  |
|             | Bethlehem Home Hospital                     | Yes | Yes | Yes | Yes | Yes | No  |
|             | Bonde                                       | Yes | Yes | Yes | Yes | Yes | No  |
|             | Cherwa Dispensary                           | Yes | Yes | Yes | Yes | Yes | No  |

| Sub County | Facility                        | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|------------|---------------------------------|-----|-----|-----|-----|-----|-----|
|            | Gari                            | Yes | Yes | Yes | Yes | Yes | No  |
|            | Kandaria Medical Centre         | No  | Yes | Yes | Yes | Yes | No  |
|            | Katito Sub County Hospital      | No  | No  | Yes | Yes | Yes | No  |
|            | Kibogo Dispensary               | Yes | Yes | Yes | Yes | Yes | No  |
|            | Kodingo Health Centre           | Yes | Yes | Yes | Yes | Yes | No  |
|            | Lisana                          | Yes | Yes | Yes | Yes | No  | No  |
|            | Nyabola                         | Yes | Yes | Yes | Yes | No  | No  |
|            | Nyabondo Rehabilitation Centre  | Yes | Yes | Yes | Yes | Yes | No  |
|            | Nyakach County Hospital         | No  | No  | Yes | Yes | Yes | No  |
|            | Nyamaringba Sub County Hospital | Yes | Yes | Yes | Yes | Yes | No  |
|            | Oboch Dispensary                | Yes | Yes | Yes | Yes | Yes | No  |
|            | Onyongo Dispensary              | Yes | Yes | Yes | Yes | NO  | No  |
|            | Pedo dispensary                 | No  | No  | Yes | Yes | Yes | No  |
|            | Rae Dispensary Facility         | No  | No  | Yes | Yes | Yes | No  |
|            | Rang'ul Dispensary              | Yes | Yes | Yes | Yes | Yes | No  |
|            | Sango Rota Health Centre        | Yes | Yes | Yes | Yes | Yes | No  |
|            | Sangoro Dispensary              | Yes | Yes | Yes | Yes | Yes | No  |
|            | Sangorota Dispensary            | No  | Yes | Yes | Yes | Yes | No  |
|            | Sigoti Health Center            | Yes | Yes | Yes | Yes | Yes | No  |
|            | Sondu Sub County Hospital       | No  | No  | Yes | Yes | No  | No  |
|            | Nyabondo Mission Hospital       | No  | No  | Yes | Yes | Yes | No  |
| Nyando     | St. Clares Bolo Facility        | Yes | Yes | Yes | Yes | Yes | No  |
|            | Ahero County Hospital           | Yes | Yes | Yes | Yes | Yes | No  |
|            | Awasi Mission                   | Yes | Yes | Yes | Yes | Yes | No  |
|            | Nyangande Sub County Hospital   | Yes | Yes | Yes | Yes | Yes | No  |
|            | Rabuor                          | Yes | Yes | Yes | Yes | Yes | No  |



| Sub County    | Facility                       | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|---------------|--------------------------------|-----|-----|-----|-----|-----|-----|
| Seme          | Bar Korwa                      | No  | No  | Yes | Yes | Yes | No  |
|               | Arito Langi                    | Yes | Yes | Yes | Yes | Yes | No  |
|               | Bodi                           | No  | No  | Yes | Yes | No  | Yes |
|               | Kolenyo Health Centre Facility | Yes | Yes | Yes | Yes | Yes | No  |
|               | Korwenje health facility       | Yes | Yes | Yes | Yes | Yes | No  |
|               | Kuoyo Kaila Dispensary         | Yes | Yes | Yes | Yes | Yes | No  |
|               | Lange Kowino                   | Yes | Yes | Yes | Yes | Yes | No  |
|               | Manyuanda Health Centre        | Yes | Yes | Yes | Yes | Yes | No  |
|               | Miranga                        | No  | No  | Yes | Yes | Yes | No  |
|               | Nduru Kadero                   | Yes | Yes | Yes | Yes | Yes | No  |
|               | Onyinjo Dispensary             | Yes | Yes | Yes | Yes | Yes | Yes |
|               | Osewre Health centre           | Yes | Yes | Yes | Yes | Yes | No  |
|               | Rotta                          | Yes | Yes | Yes | Yes | Yes | No  |
|               | Rodi                           | Yes | Yes | Yes | Yes | Yes | No  |
| Compliant     |                                | 68  | 69  | 89  | 88  | 86  | 2   |
| Non-Compliant |                                | 22  | 21  | 1   | 2   | 4   | 88  |

#### Key/Details:

|     |                                                                                                                                               |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|
| HR1 | Did the facility have adequate staff to carry out the Covid-19 vaccination                                                                    |
| HR2 | Did these staff have separation of roles and if it was the staff trained to handle other roles?                                               |
| HR3 | Were health Care Workers (HCW) trained before commencement of Covid-19 Vaccination at the facility?                                           |
| HR4 | Were the health care workers trained on vaccine administration                                                                                |
| HR5 | Have you obtained the details of the facility's staff (involved in Covid-19 vaccination) as follows                                           |
| HR6 | 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 12: Coordination of Players at County Level – Kisumu County

|               | CP1 | CP2 | CP3 | CP4 | CP5 | CP6 | CP7 | CP8 | CP9 |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Kisumu County | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Compliant     | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| Non-Compliant | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

### 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 Sub County Level

| Sub County           | CP1 | CP2 | CP3 | CP4 | CP5 | CP6 | CP7 | CP8 | CP9 |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Kisumu East          | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Kisumu West          | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Kisumu Central       | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Nyakach              | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Nyando               | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Seme                 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Muhoroni             | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| <b>Compliant</b>     | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   | 7   |
| <b>Non-Compliant</b> | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

### 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 14: Coordination of Players at Facility Level

| Sub County  | Facilities                         | CP1 | CP2 | CP3 | CP4 | CP5 |
|-------------|------------------------------------|-----|-----|-----|-----|-----|
| Kisumu East | Angola Comm Dispensary             | Yes | Yes | Yes | Yes | Yes |
|             | Chiga H/C                          | Yes | Yes | Yes | Yes | Yes |
|             | Disciple of Mercy Clinic           | Yes | Yes | Yes | Yes | Yes |
|             | Gita Sch                           | Yes | Yes | Yes | Yes | Yes |
|             | GK Prison Kibos Dispensary         | Yes | Yes | Yes | Yes | Yes |
|             | Got Nyabondo Dispensary            | Yes | Yes | Yes | Yes | Yes |
|             | Kibos Sugar Research Dispensary    | Yes | Yes | Yes | Yes | Yes |
|             | Kotunga Dispensary                 | Yes | Yes | Yes | Yes | Yes |
|             | Kowino Dispensary                  | Yes | Yes | Yes | Yes | Yes |
|             | Kuoyo Dispensary                   | Yes | Yes | Yes | Yes | Yes |
|             | Nyalunya H/C                       | Yes | Yes | Yes | Yes | Yes |
|             | Olps Clinic                        | Yes | Yes | Yes | Yes | Yes |
|             | Orongo Dispensary                  | Yes | Yes | Yes | Yes | Yes |
|             | Simba Opepo Dispensary             | Yes | Yes | Yes | Yes | Yes |
|             | St Consolata Medical               | Yes | Yes | Yes | Yes | Yes |
| Kisumu West | St Elizabeth Hospital              | Yes | Yes | Yes | Yes | Yes |
|             | St George's Medical                | Yes | Yes | Yes | Yes | Yes |
|             | St Monica Hospital                 | Yes | Yes | Yes | Yes | Yes |
|             | Airport Health Centre              | Yes | Yes | Yes | Yes | Yes |
|             | Chulaimbo Sub County Hospital      | Yes | Yes | Yes | Yes | Yes |
|             | Kodiaga Prison Sub County Hospital | Yes | Yes | Yes | Yes | Yes |
|             | Maseno Mission Hospital            | Yes | Yes | Yes | Yes | No  |
|             | Maseno University Health Centre    | Yes | Yes | Yes | Yes | Yes |
|             | Nyahera Sub County Hospital        | Yes | Yes | Yes | Yes | Yes |
|             |                                    |     |     |     |     |     |

| Sub County     | Facilities                     | CP1 | CP2 | CP3 | CP4 | CP5 |
|----------------|--------------------------------|-----|-----|-----|-----|-----|
|                | Ober Kamoth                    | Yes | Yes | Yes | Yes | Yes |
|                | Ojolla Sub County Hospital     | Yes | Yes | Yes | Yes | Yes |
|                | Port Florence                  | Yes | Yes | Yes | Yes | Yes |
| Kisumu Central | Agakhan                        | Yes | Yes | Yes | Yes | Yes |
|                | Avenue                         | Yes | Yes | Yes | Yes | Yes |
|                | JOOTRH                         | Yes | Yes | Yes | Yes | Yes |
|                | JOOTRH CCC                     | Yes | Yes | Yes | Yes | Yes |
|                | KCRH                           | Yes | Yes | Yes | Yes | Yes |
|                | KCRH CCC                       | Yes | Yes | Yes | Yes | Yes |
|                | Lumumba                        | Yes | Yes | Yes | Yes | Yes |
|                | Migosi                         | Yes | Yes | Yes | Yes | Yes |
|                | Nightingale Milimani           | Yes | Yes | Yes | Yes | Yes |
| Nyakach        | Anding'o Opanga Dispensary     | Yes | Yes | Yes | Yes | Yes |
|                | Bethlehem Home Hospital        | Yes | Yes | Yes | Yes | Yes |
|                | Bonde Dispensary               | Yes | Yes | Yes | Yes | Yes |
|                | Cherwa Dispensary              | Yes | Yes | Yes | Yes | Yes |
|                | Gari Dispensary                | Yes | Yes | Yes | Yes | Yes |
|                | Kandaria Medical Centre        | Yes | Yes | Yes | Yes | Yes |
|                | Katito Sub County Hospital     | Yes | Yes | Yes | Yes | Yes |
|                | Kibogo Dispensary              | Yes | Yes | Yes | Yes | Yes |
|                | Kodingo Health Centre          | Yes | Yes | Yes | Yes | Yes |
|                | Lisana Dispensary              | Yes | Yes | Yes | Yes | Yes |
|                | Nyabola Cdf Dispensary         | Yes | Yes | Yes | Yes | Yes |
|                | Nyabondo Mission Hospital      | Yes | Yes | Yes | Yes | Yes |
|                | Nyabondo Rehabilitation Centre | Yes | Yes | Yes | Yes | Yes |
|                | Nyakach County Hospital        | Yes | Yes | Yes | Yes | Yes |

| Sub County | Facilities                       | CP1 | CP2 | CP3 | CP4 | CP5 |
|------------|----------------------------------|-----|-----|-----|-----|-----|
|            | Nyamaringba Sub County Hospital  | Yes | Yes | Yes | Yes | Yes |
|            | Oboch Dispensary                 | Yes | Yes | Yes | Yes | Yes |
|            | Onyuongo Dispensary              | Yes | Yes | Yes | Yes | Yes |
|            | Pedo Dispensary                  | Yes | Yes | Yes | Yes | Yes |
|            | Rae Dispensary                   | Yes | Yes | Yes | Yes | Yes |
|            | Rang'ul Dispensary               | Yes | Yes | Yes | Yes | Yes |
|            | Sango Rota Health Centre         | Yes | Yes | Yes | Yes | Yes |
|            | Sangoro Dispensary               | Yes | Yes | Yes | Yes | Yes |
|            | Sigoti Health Centre             | Yes | Yes | Yes | Yes | Yes |
|            | Sondu Sub County Hospital        | Yes | Yes | Yes | Yes | Yes |
|            | St Clare Bolo Health Centre      | Yes | Yes | Yes | Yes | Yes |
| Nyando     | Ahero County Hospital            | Yes | Yes | Yes | Yes | Yes |
|            | Awasi Mission                    | Yes | Yes | Yes | Yes | Yes |
|            | Nyangande S/C Hospital           | Yes | Yes | Yes | Yes | Yes |
|            | Rabur S/C Hospital               | Yes | Yes | Yes | Yes | Yes |
| Seme       | Arito Langi Health Centre        | Yes | Yes | Yes | Yes | Yes |
|            | Bar Korwa Health Centre          | Yes | Yes | Yes | Yes | Yes |
|            | Bodi Health Centre               | Yes | Yes | Yes | Yes | Yes |
|            | Bongu Konyango Dispensary        | Yes | Yes | Yes | Yes | Yes |
|            | Kolenyo Health Centre            | Yes | Yes | Yes | Yes | Yes |
|            | Kombewa County Referral Hospital | Yes | Yes | Yes | Yes | Yes |
|            | Korwenje Dispensary              | Yes | Yes | Yes | Yes | Yes |
|            | Kuoyo Kaila Health Centre        | Yes | Yes | Yes | Yes | Yes |
|            | Langi Kawino Dispensary          | Yes | Yes | Yes | Yes | Yes |
|            | Manyuanda Sub County Hospital    | Yes | Yes | Yes | Yes | Yes |
|            | Miranga Sub County Hospital      | Yes | Yes | Yes | Yes | Yes |



| Sub County           | Facilities                 | CP1       | CP2       | CP3       | CP4       | CP5       |
|----------------------|----------------------------|-----------|-----------|-----------|-----------|-----------|
|                      | Nduru Kadero Health Centre | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Onyinjo Dispensary         | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Osewre Dispensary          | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Ratta Health Centre        | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Rodi Health Centre         | Yes       | Yes       | Yes       | Yes       | Yes       |
| Muhoroni             | Chemelil Gok               | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Kibigori                   | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Koru Dispensary            | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Koru Mission Hospital      | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Masogo SCH                 | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Muhoroni County Hospital   | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Nyangoma SCH               | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Obumba                     | Yes       | Yes       | Yes       | Yes       | Yes       |
|                      | Tamu                       | Yes       | Yes       | Yes       | Yes       | Yes       |
| <b>Compliant</b>     |                            | <b>90</b> | <b>90</b> | <b>90</b> | <b>90</b> | <b>89</b> |
| <b>Non-Compliant</b> |                            | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>1</b>  |

**Key/Details:**

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

### Appendix 15: Monitoring and Supervision at County Level

|               | M1  | M2  | M3  | M4  | M5  | M6  | M7  | M8  | M9  | M10 | M11 | M12 | M13 | M14 | M15 |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Kisumu County | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Compliant     | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| Non-Compliant | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

### 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 16: Monitoring and Supervision at Sub County Level

| Sub County           | M1       | M2       | M3       | M4       | M5       | M6       | M7       | M8       | M9       | M10      | M11      | M12      | M13      | M14      | M15      |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Kisumu East          | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Kisumu West          | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Kisumu Central       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Nyakach              | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Nyando               | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Seme                 | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Muhoroni             | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | No       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| <b>Compliant</b>     | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>0</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</b> | <b>7</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>7</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</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?                         |
| 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 17: Monitoring & Supervision at Facility Level

| Sub County     | Facility Name                      | M1  | M2 | M3  | M4  | M5  | M6  | M7  | M8  | M9  | M10 | M11 |
|----------------|------------------------------------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Kisumu East    | Angola Comm Dispensary             | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Chiga H/C                          | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Disciple of Mercy Clinic           | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Gita Sch                           | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|                | GK Prison Kibos Dispensary         | No  | No | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|                | Got Nyabondo Dispensary            | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Kibos Sugar Research Dispensary    | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Kotunga Dispensary                 | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Kowino Dispensary                  | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Kuoyo Dispensary                   | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
| Kisumu West    | Nyalunya H/C                       | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Olps Clinic                        | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Orongo Dispensary                  | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Simba Opepo Dispensary             | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | St Consolata Medical               | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | St Elizabeth Hospital              | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | St George's Medical                | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | St Monica Hospital                 | No  | No | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|                | Airport Health Centre              | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Chulaimbo Sub County Hospital      | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Kisumu Central | Kodiaga Prison Sub County Hospital | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Maseno Mission Hospital            | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Maseno University Health Centre    | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Nyahera Sub County Hospital        | Yes | No | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|                | Ober Kamoth                        | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Ojolla Sub County Hospital         | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Port Florence                      | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|                | Agakhan                            | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |

| Sub County | Facility Name                  | M1  | M2 | M3  | M4  | M5  | M6  | M7  | M8  | M9  | M10 | M11 |
|------------|--------------------------------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            | Avenue                         | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | JOOTRH                         | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|            | JOOTRH CCC                     | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | KCRH                           | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|            | KCRH CCC                       | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Lumumba                        | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|            | Migosi                         | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Nightingale Milimani           | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
| Nyakach    | Anding'o Opanga Dispensary     | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Bethlehem Home Hospital        | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Bonde Dispensary               | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Cherwa Dispensary              | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Gari Dispensary                | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Kandaria Medical Centre        | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Katito Sub County Hospital     | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Kibogo Dispensary              | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Kodingo Health Centre          | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Lisana Dispensary              | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Nyabola CDF Dispensary         | Yes | NO | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Nyabondo Mission Hospital      | Yes | NO | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|            | Nyabondo Rehabilitation Centre | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Nyakach County Hospital        | Yes | NO | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|            | Nyamaramba Sub County Hospital | Yes | NO | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Oboch Dispensary               | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Onyuongo Dispensary            | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Pedo Dispensary                | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Rae Dispensary                 | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Rang'ul Dispensary             | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Sango Rota Health Centre       | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Sangoro Dispensary             | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |



| Sub County | Facility Name                    | M1  | M2 | M3  | M4  | M5  | M6  | M7  | M8  | M9  | M10 | M11 |
|------------|----------------------------------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            | Sigoti Health Centre             | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Sondu Sub County Hospital        | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | St Clare Bolo Health Centre      | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
| Nyando     | Ahero County Hospital            | Yes | No | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|            | Awasi Mission                    | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Nyangande S/C Hospital           | Yes | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Rabuor S/C Hospital              | Yes | No | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Seme       | Arito Langi Health Centre        | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Bar Korwa Health Centre          | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Bodi Health Centre               | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Bongu Konyango Dispensary        | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Kolenyo Health Centre            | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Kombewa County Referral Hospital | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|            | Korwenje Dispensary              | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Kuoyo Kaila Health Centre        | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Langi Kawino Dispensary          | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Manyuanda Sub County Hospital    | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Miranga Sub County Hospital      | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Nduru Kadero Health Centre       | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Onyinjo Dispensary               | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Osewre Dispensary                | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Ratta Health Centre              | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Rodi Health Centre               | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
| Muhoroni   | Chemelil Gok                     | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Kibigori                         | Yes | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Koru Disp                        | Yes | No | Yes | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Koru Mission Hospital            | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Masogo SCH                       | No  | No | No  | Yes | Yes | No  | Yes | Yes | Yes | Yes | Yes |
|            | Muhoroni County Hospital         | Yes | No | No  | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
|            | Nyangoma SCH                     | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |



| Sub County    | Facility Name | M1 | M2 | M3 | M4  | M5  | M6 | M7  | M8  | M9  | M10 | M11 |
|---------------|---------------|----|----|----|-----|-----|----|-----|-----|-----|-----|-----|
|               | Obumba        | No | No | No | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
|               | Tamu          | No | No | No | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| Compliant     |               | 38 | 0  | 34 | 90  | 90  | 15 | 90  | 90  | 90  | 90  | 90  |
| Non-Compliant |               | 52 | 90 | 56 | 0   | 0   | 75 | 0   | 0   | 0   | 0   | 0   |

**Key/Details:**

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



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