

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

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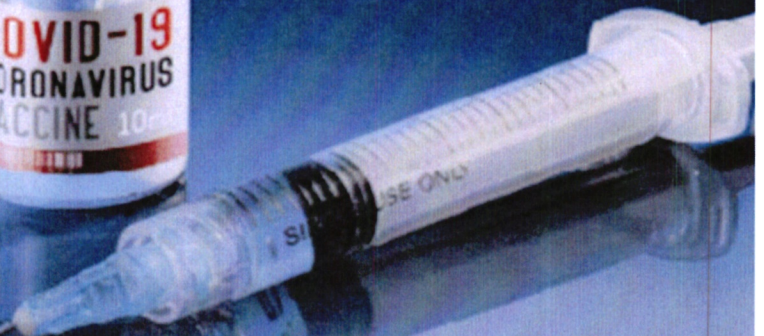
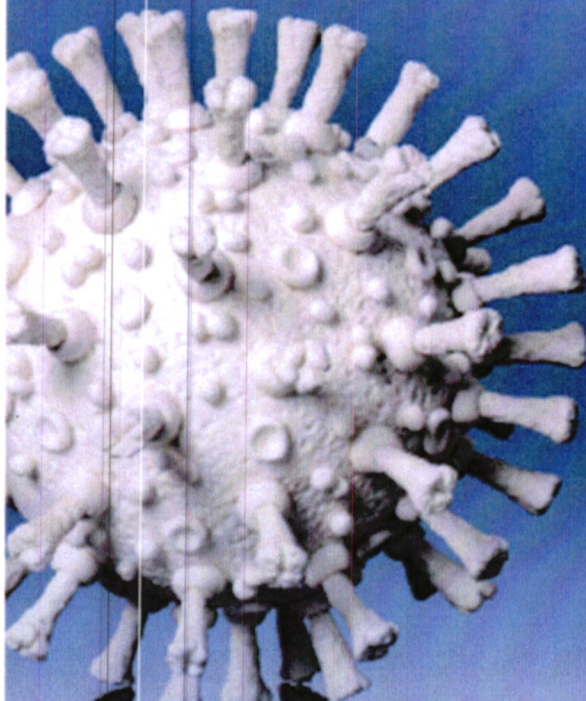




TABLE OF CONTENTS

| | |
|--|----|
| LIST OF ABBREVIATIONS | 4 |
| LIST OF TABLES | 5 |
| 1.0 EXECUTIVE SUMMARY | 6 |
| 1.1 BACKGROUND AND INTRODUCTION | 6 |
| 1.2 AUDIT SCOPE, LIMITATIONS AND MITIGATION | 6 |
| 1.3.1 DOSES RECEIVED AND ADMINISTERED | 6 |
| 1.3.2 BUDGET | 7 |
| 1.3.3 SOURCES AND DISTRIBUTION OF VACCINES | 7 |
| 1.3.4 STORAGE OF VACCINES | 7 |
| 1.3.5 DISPOSAL OF VACCINES..... | 7 |
| 1.3.6 HUMAN RESOURCE MATTERS..... | 7 |
| 1.3.7 COORDINATION OF PLAYERS | 7 |
| 1.3.8 MONITORING AND SUPERVISION | 7 |
| 1.3.9 CONCLUSIONS AND RECOMMENDATION. | 7 |
| 2.0 BACKGROUND AND INTRODUCTION | 8 |
| 2.1 OBJECTIVE OF THE AUDIT | 8 |
| 2.2 TERMS OF REFERENCE | 9 |
| 2.3 SCOPE OF THE AUDIT AND LIMITATIONS | 10 |
| 2.3.1 SCOPE | 10 |
| 2.4 AUDIT APPROACH AND METHODOLOGY | 11 |
| 2.4.1 DOCUMENT REVIEW | 11 |
| 2.4.2 ANALYTICAL REVIEW..... | 12 |
| 2.4.3 PHYSICAL VERIFICATION. | 12 |
| 2.4.4 INTERVIEWS | 12 |
| 2.5 AUDIT PHASES | 12 |
| 2.6 REPORT STRUCTURE | 12 |
| 3.0 DETAILED FINDINGS | 13 |
| 3.1 BUDGET AND SOURCES OF VACCINES | 13 |
| 3.1.1 UNCONFIRMED FUNDING OF COVID-19 VACCINATION ACTIVITIES | 13 |
| 3.2 SOURCES OF VACCINES | 13 |
| 3.3 STORAGE OF VACCINES | 14 |
| 3.3.1 STORAGE AT THE REGIONAL STORE | 14 |
| 3.3.2 STORAGE AT THE COUNTY AND SUB- COUNTIES STORES | 15 |
| 3.3.3 STORAGE AT THE FACILITIES LEVEL | 18 |
| 3.4 DISTRIBUTION OF VACCINES | 21 |
| 3.4.1 DISTRIBUTION AT COUNTY LEVEL | 21 |
| 3.5 UTILIZATION OF VACCINES | 21 |
| 3.5.1 ADMINISTERED DOSES..... | 23 |
| 3.5.2 EXPIRED DOSES | 23 |
| 3.5.3 DAMAGED DOSES | 24 |
| 3.5.4 WASTED DOSES..... | 24 |
| 3.5.5 UNEXPLAINED VACCINE VARIANCES | 24 |
| 3.6 DISPOSAL OF VACCINES | 24 |
| 3.7 HUMAN RESOURCE MATTERS | 28 |
| 3.8 COORDINATION OF PLAYERS | 30 |

| | | |
|-------|--|----|
| 3.9 | MONITORING AND SUPERVISION | 31 |
| 3.9.1 | MONITORING AND SUPERVISION AT THE COUNTY AND FACILITIES LEVEL | 31 |
| 4.0 | IRREGULARITIES AND WEAKNESSES IN MANAGEMENT AND CONTROLS OF VACCINES IN INSTITUTIONS | 34 |
| 4.1 | IRREGULARITIES AND WEAKNESSES AT THE COUNTY AND SUB COUNTY LEVEL | 34 |
| 5.0 | CONCLUSION | 35 |
| 6.0 | APPENDICES | 36 |

LIST OF ABBREVIATIONS

The following abbreviations are used in this Report

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

LIST OF TABLES

| | |
|---|----|
| Table 1: Vaccines in Meru County | 8 |
| Table 2– Terms of Reference | 9 |
| Table 3 - Interviews | 12 |
| Table 6 – Sources of Vaccines | 13 |
| Table 7 – Storage at the County and Sub County Stores | 16 |
| Table 8 – Storage at the Facilities Level | 18 |
| Table 9 – Distribution at County Level | 21 |
| Table 10 – Utilization of Vaccines | 22 |
| Table 11: Administered Doses in Meru County | 23 |
| Table 13: Total Expired Vaccines | 23 |
| Table 14: Expired Vaccines with short shelf-life | 24 |
| Table 15– Disposal of Vaccines | 25 |
| Table 17 – Training at County Level | 29 |
| Table 18 – Coordination at County Level | 30 |
| Table 19-Monitoring and Supervision at the County and Facilities Level | 32 |
| Table 20 – Irregularities and Weaknesses at the County and Sub County Level | 34 |

1.0 EXECUTIVE SUMMARY

1.1 Background and Introduction

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

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

1.2 Audit Scope, Limitations and Mitigation

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

Challenges experienced during the audit included lack of definition of most of the vaccinating facilities in the Chanjo System and inadequacy and in complete of 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 Country.

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 the Audit Teams, 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).

Report Summary

1.3.1 Doses Received and Administered

Meru County received 665,844 doses of various types of vaccines during the period under review. Out of the total COVID-19 Vaccine Doses received in the County, 586,998 doses were administered, while 17,380 vaccine doses were still in stock as at the time of the audit cutoff date of 31 March, 2022. The balance of 61,466 was either expired, damaged, wasted or the vaccines were administered but not updated in the Chanjo System as at 31 March, 2022.

1.3.2 Budget

A review of the Meru County health services budget for the 2021/2022 financial year revealed that the County did not budget for the COVID-19 vaccination activities but instead used the budget for routine immunization to cater for the rollout exercise. The other rollout exercises including advocacy, communication, community mobilization, training and vaccine mobilization were financed through donations.

1.3.3 Sources and Distribution of Vaccines

The Source of vaccines to the County was from the Government of Kenya (GOK) through the Meru Regional Store.

The distribution flow was from Regional Store, to the Sub County Stores and to the facilities which administered the vaccines.

1.3.4 Storage of Vaccines

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

1.3.5 Disposal of Vaccines

The special audit noted that 44,522 vaccine doses were expired, damaged or had gone to waste out of which only 2,655 had been disposed with other hospital waste while the balance of 41,867 vaccines had not been disposed.

1.3.6 Human Resource Matters

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

1.3.7 Coordination of Players

The coordination of the exercise was to be done by the Meru County COVID19 Vaccine Deployment and Vaccination Taskforce. However, the appointment letters and the minutes of the task force were not provided for audit review.

1.3.8 Monitoring and Supervision

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

1.3.9 Conclusions and Recommendation.

The audit concluded that the roll-out of the COVID-19 Vaccines was effective. However, weaknesses were noted in some of the processes including failure to Budget for the rollout activities, practical adherence to waste disposal regulations, inadequate staff and training at the facilities, inadequate access to the Chanjo System due connectivity issues as well as

lack of data bundles resulting into delay in updating of information in the Chanjo System hence an unexplained variance (deficit) of **9,370** of vaccine doses valued at **Kshs. 5,875,710** 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 Meru County Government should work closely with 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, Pfizer and Sinopharm from other development partners. The Ministry of Health (MOH) launched a campaign and kicked off deployment plan for the COVID-19 vaccines roll out on 5 March, 2021 with priority being given to frontline health workers and essential staff including security personnel. According to the National COVID-19 vaccine deployment plan, the first vaccine plan was developed in March 2021, and subsequently revised by the MOH plan in August 2021 in an effort to cover the entire adult population in the country.

The County Government of Meru received its first consignment of Astra Zeneca-Oxford COVID-19 vaccine in March 2021, where a total of 21,000 doses of the vaccine were received from the Meru Regional Vaccines Store. They were first administered at Meru County Teaching and referral Hospital before being rolled out to the other main facilities in the ten (10) sub counties. As at 31 March 2022, the findings of the special Audit Team were that the County had received in total 665,844 doses as tabulated below:

Table 1: Vaccines in Meru County

| Type of Vaccine | Number of Doses |
|------------------------|------------------------|
| Moderna | 25,410 |
| Janssen (Ad26.COV2-S) | 104,550 |
| Oxford/AstraZeneca | 312,414 |
| Pfizer | 223,470 |
| Total | 665,844 |

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 Meru County. This was achieved through: review of budget, sources of the vaccines, storage, distribution, utilization and disposal of the vaccines, human resource, coordination of players, monitoring and supervision.

2.2 Terms of Reference

The following Terms of Reference (TORs) guided the special audit;

Table 2– Terms of Reference

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

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

2.3 Scope of the Audit and Limitations

2.3.1 Scope

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

2.3.2 Limitations

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

- i. Incomplete physical records. To address the challenge, the team used both the manual and computer Systems to analyze the data;
- ii. Inadequate updating of data in Chanjo System; to address the challenge, the team used both the manual and computer Systems compared with the order sheets;
- iii. Accessibility challenges due terrain; to address the challenge, the team build a rapport and sought cooperation with the County management to appoint officers to accompany the team.
- iv. Inadequate transport- the team sought assistance of the County to provide two four-wheel vehicles and drivers to beef up the official vehicles which could not be driven in the County terrain.
- v. Widely dispersed facilities and high number of facilities to cover- to counter this, the team organized itself into two teams and set daily target which were communicated to the County team well in advance, further, the target day working hours were extended from 5pm to 8 pm.
- vi. Parallel maintenance of Chanjo and Elmis Systems and they were not deployed in all the facilities; to address the challenge, the team used the data on both Systems to facilitate reconciliation of data.
- vii. Unclear responsibility on part of the county concerning the audit- the team sought to explain the purpose of the audit need to support the exercise.
- viii. Falsified responses from interviewees- the team proofed responses given by staff and explained the importance of the correct response to make the interviews productive. The Audit Team had to use the data from the filled in forms for vaccines receipts, utilization and balances at the individual facility and reconcile it with the Chanjo Kenya System records.

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

2.4 Audit Approach and Methodology

The Special Audit Team held entry and exit meetings with the County Health Management Team on 9 May 2022 and 2 June 2022, respectively. During the entry meeting, the County Management was sensitized on the audit process and the detailed work plan. The following were the main evidence gathering methods applied during the audit execution:

2.4.1 Document Review

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

2.4.2 Analytical Review

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

2.4.3 Physical Verification.

The Audit Team carried out physical verifications in the nine (9) Sub County Stores and 114 vaccinating facilities in the County as detailed in **Appendix 1**.

2.4.4 Interviews

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

Table 3 - Interviews

| | Name | Organization | Designation |
|---|---------------------------|--------------|-----------------------------------|
| 1 | Dr. Muthuri Koome | Meru county | Director of medical services |
| 2 | Hallan Mururu | Meru county | County logistician |
| 3 | Charles Mwenda | Meru county | Director of budget |
| 4 | Nicholus Gitonga | Meru county | Regional vaccines depot manager |
| 5 | 9 Subcounty public health | Meru county | Subcounty Public Health Nurses |
| 6 | 114 Nurses-In charge | Meru county | Kenya Registered Community Health |

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 the Ministry of Health. It also involved analysis of data maintained in eMIS, Chanjo System and Kenya Health Information System. The information was then shared with the Audit Teams to inform the next audit phase.

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

2.6 Report Structure

This report is presented in the following format:

- i. Executive Summary,
- ii. Background and Introduction,
- iii. Detailed Findings,
- iv. Irregularities and weaknesses in management and institutions controls of Vaccines
- v. Recommendations
- vi. Appendices

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

2.0 DETAILED FINDINGS

3.1 Budget and Sources of Vaccines

3.11 Unconfirmed Funding of COVID-19 Vaccination Activities

A review of the County's health services budget for the 2021/2022 financial year revealed that the County did not budget for the COVID-19 vaccination activities. COVID-19 vaccination costs, including transportation, training and capacity building and procurement of auxiliary services such as syringes and safety boxes, could not therefore be traced to a specific budget, an indication that they were not budgeted for.

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

3.2 Sources of Vaccines

The County Government of Meru received 665,844 vaccines between March 2021 and 31 March, 2022 from the National Government. A review of the County's Health Services Budget for the 2021/2022 financial year revealed that there were no provisions for the COVID-19 vaccine roll out. Further, the special audit revealed the following anomalies as summarized below and detailed in **Appendix 2**:

Table 4 – Sources of Vaccines

| Observation/Findings | Number of Compliant Counties | Number of non-Compliant Counties | 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 | 1 | 0 | 9 |

| | | | | |
|--|---|---|---|---|
| Lack of budgetary support for COVID-19 from donors/National government | 1 | 0 | 9 | 0 |
| Failure to spend budgetary support on COVID-19 vaccination. | 1 | 0 | 9 | 0 |
| Failure by the subcounty/Facility to finance Distribution of Vaccines, Outreaches, Trainings costs related to COVID- 19 vaccination; | 1 | 0 | 9 | 0 |

3.3 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.

3.3.1 Storage at the Regional Store

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

- i) The building where the vaccines were stored had sufficient physical security. The store is kept under lock and key and manned by armed police officers to prevent unauthorized persons from accessing the storage area.
- ii) Continuous temperature monitoring devices and Systems are validated. There is a manual recording in the multilog2 device (temperature and data logger); this device has an alarm System that sends SMS alerts in case of high temperatures, cold rooms, freezers, and ultra-cold freezers.
- iii) The store has sufficient capacity to orderly store the various categories of vaccines, namely usable products, products in quarantine, released vaccines,

rejected, returned, or recalled vaccines. The quarantine area is at the dry store, where all the damaged, rejected, expired, or recalled vaccines are removed from the shelf and kept and separated from the good vaccines. This vaccine is appropriately labelled before storage at the dry store.

- iv) 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.
- v) The vaccines are issued on First Expiry, First Out basis (FEFO) or First In First Out(FIFO) basis where the vaccines have the same expiry dates.
- vi) The store has 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.
- vii) The store is not 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.
- viii) The temperature monitoring is done twice a day and the data recorded in the temperature monitoring charts.

The regional Store for the Covid- 19 at Meru was therefore confirmed to have complied with the requirements except precautions put in place to prevent unauthorized persons opening the ultra-cold freezer where there is no SMS alert sent as provided for in National COVID-19 Vaccine Deployment Plan, 2021.

3.3.2 Storage at the County and Sub- Counties Stores

A review of documents provided for audit and physical verification carried out at the 9 Sub-Counties stores revealed issues as summarized below and detailed in **Appendix 3**.

It was also noted that The County Government of Meru did not have a store of their own. All sub-counties collected vaccines directly from Meru Regional Store.

Table 5 – Storage at the County and Sub County Stores

| Observations/Findings | Number of Compliant Sub-County Stores | Number of Non-Compliant Sub-County Stores |
|---|--|--|
| Store has sufficient security to prevent loss of COVIDvaccines as well as prevent unauthorized access | 9 | 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. | 0 | 9 |
| Broken or damaged items are withdrawn from usable stock and stored separately | 9 | 0 |
| There was sufficient lighting necessary to enable all operations to be carried out accurately and safely. | 8 | 1 |
| All COVID-19 vaccines stored off the floor | 7 | 2 |
| Refrigerated and freezing storage environments fitted with signals to indicate that refrigeration has failed. The signal permitted resetting only by the authorized person. | 7 | 2 |
| The vaccines issued on a FIFO method and guided by the expiry date | 9 | 0 |
| There was a contingency plan in case of power failure, equipment breakdown, or cold chain breach | 9 | 0 |
| General Storage Areas | | |
| There were Secure measures to ensure that rejected vaccines cannot be used. Rejected vaccines are stored separately from other products while | 9 | 0 |

| Observations/Findings | Number of Compliant Sub-County Stores | Number of Non-Compliant Sub-County Stores |
|--|---------------------------------------|---|
| awaiting destruction or return to the supplier | | |
| There are written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas. | 0 | 9 |
| There was a cleaning log that must be completed, signed, and checked by the appropriately designated person. | 0 | 9 |
| 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. | 0 | 9 |
| There were appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination | 0 | 9 |
| The COVID-19 vaccines were stored in such a way as to prevent contamination or cross-contamination. | 0 | 9 |
| Storage Conditions | | |
| The storage conditions were compatible with the storage conditions specified on their labels. (Storage facilities protected goods from deterioration.) | 9 | 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. | 9 | 0 |

| 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)) | 9 | 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. | 9 | 0 |
| The store had stock in the Cold Room and were physical counted and grouped per vaccine and Batch Numbers | 9 | 0 |

From the foregoing, the Special Audit Team confirmed that one regional. and 9 Sub-Counties Stores did not comply with storages conditions as per National COVID-19 Vaccine Deployment Plan- 2021.

3.3.3 Storage at the Facilities Level

A review of documents provided for audit and physical verifications carried out at the 114 facilities revealed issues as summarized in **Table 8** below and detailed in **Appendix 4**.

Table 6 – Storage at the Facilities Level

| Observations/Findings | Number of Compliant Facilities | Number of Non-Compliant Facilities |
|---|--------------------------------|------------------------------------|
| Store has sufficient security to prevent loss of COVIDvaccines as well as prevent unauthorized access | 113 | 1 |
| Broken or damaged items are withdrawn from usable stock and stored separately | 114 | 0 |
| There was sufficient lighting necessary to enable all operations to be carried out accurately and safely. | 113 | 1 |
| All COVID-19 vaccines stored off the floor | 91 | 23 |

| Observations/Findings | Number of Compliant Facilities | Number of Non-Compliant Facilities |
|--|--------------------------------|------------------------------------|
| Refrigerated and freezing storage environments fitted with signals to indicate that refrigeration has failed. The signal permitted resetting only by the authorized person. | 114 | 0 |
| The vaccines issued on a FIFO method and guided by the expiry date | 114 | 0 |
| There was a contingency plan in case of power failure, equipment breakdown, or cold chain breach | 109 | 5 |
| 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 | 114 | 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. | 0 | 114 |
| There was a cleaning log that must be completed, signed, and checked by the appropriately designated person. | 0 | 114 |
| There were appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination | 0 | 114 |
| Storage Conditions | | |
| The storage conditions of the refrigerators are as per the vaccine manufacturer's recommendations (Refrigerated (2°C to 8°C)) | 113 | 1 |
| 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. | 113 | 1 |

In view of the above, the Special Audit Team confirmed that the county Government of Meru COVID-19 vaccinating facilities did not have written procedures on sanitation, pest control and did not maintain cleaning logs and written procedures on clean-up of

spillage. Additionally, 23 facilities did not adhere to the requirement of having fridges stored off the floor.

3.4 Distribution of Vaccines

3.4.1 Distribution at County Level

Documents provided for audit revealed that COVID-19 Vaccines on arriving in the Country ideally should be transferred to the Central Stores which in turn distributes to the regional stores. The Regional Stores then distribute to the County Stores, the County Stores to Sub-County Stores and Sub-County to Facilities. However, this was not the case at Meru County.

The County Government of Meru does not have a County Store; there is therefore no distribution to a County Store. Vaccines from the Regional Store were distributed through Chanjo Kenya directly to Sub-Counties.

The 665,844 vaccines received in Meru County as at 31 March, 2022 were distributed to as summarized below and detailed in **Appendix 5 and 6:**

Table 7 – Distribution at County Level

| Vaccine Type | Distributed to Meru Regional Store | Distributed to County Stores | Distributed to Meru Sub-County Stores | Distributed to Facilities in Meru | Variance between Sub-County and Facilities Distribution | Explanation for variance |
|-----------------------|------------------------------------|------------------------------|---------------------------------------|-----------------------------------|---|--|
| Moderna | 68,460 | N/A | 25,410 | 23,352 | 2,058 | The Variance is as a result of the distribution being done to the facilities, without updating in the Chanjo System. |
| Janssen (Ad26.COVS-2) | 358,400 | N/A | 104,550 | 84,619 | 19,931 | |
| Oxford/AstraZeneca | 470,920 | N/A | 312,414 | 297,371 | 15,043 | |
| Pfizer | 352,170 | N/A | 223,470 | 197,633 | 25,837 | |
| Total | 1,249,950 | | 665,844 | 602,975 | 62,869 | |

3.5 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.

Examination of records maintained in the Chanjo System revealed that as at 31 March, 2022, a total of 665,844 vaccine doses had been dispatched to the County.

Utilization of vaccines including COVID-19 vaccines takes place at vaccinating facility. Documents provided for audit revealed that there were 114 vaccinating facilities, 95 of which were mapped in the Chanjo System. In addition, there were 9 Sub-County health facilities that in addition to being stores functioned as vaccinating facilities.

Out of the total 645,979 COVID-19 Vaccine Doses dispatched to the County, a total of 572,678 doses were administered, 17,380 was still in stock while the balance of 60,349 was either expired, damaged or wasted as at 31 March, 2022 as summarized below and detailed in **Appendix 7**. There was however an unexplained variance of 9,370 vaccine doses.

Table 8 – Utilization of Vaccines

| Vaccine Type | Doses Received | Doses Administered | Doses Stock | Doses Expired | Doses Damaged | Doses Wasted | Adjustment of Doses not in Chanjo | Unexplained Doses | Estimate Price per Dose (Kshs) | Total Amount (Kshs) |
|--------------------|----------------|--------------------|---------------|---------------|---------------|---------------|-----------------------------------|-----------------------|--------------------------------|---------------------|
| Moderna | 25,312 | 19,902 | - | 79 | 0 | 496 | 1487 | 3,348 | 505 | 1,690,740 |
| Jansen | 103,000 | 82,486 | 12,838 | 355 | 20 | 2453 | 3038 | 1,810 | 753 | 1,362,930 |
| Astrazeneca | 308,385 | 289,665 | 860 | 14135 | 6 | 7913 | 9604 | (13,798) ¹ | 446 | (6,153,908) |
| Pfizer | 209,282 | 180,625 | 3,682 | 15656 | 0 | 3409 | 1698 | 4,212 | 670 | 2,822,040 |
| Grand Total | 645,979 | 572,678 | 17,380 | 30,225 | 26 | 14,271 | 15,827 | 9,370 | | 5,875,710 |

¹-Denotes positive variances attributed to vaccine gains during administration.

3.5.1 Administered Doses

A report from the Chanjo System shows a total of 587,162 doses had been administered in Meru County between 1 March, 2021 and 31 March, 2022. The vaccine doses administered are as summarised below:

Table 9: Administered Doses in Meru County

| Vaccine Type | First Doses | Second Doses | Booster Doses | Total |
|-------------------------|----------------|----------------|---------------|----------------|
| Moderna | 12,521 | 8,986 | 0 | 21,507 |
| Janssen (Ad26.COVS-2-S) | 83,872 | 2* | 10 | 83,884 |
| Oxford/AstraZeneca | 179,340 | 116,154 | 3,364 | 298,858 |
| Pfizer | 131,526 | 46,251 | 5,136 | 182,913 |
| Sinopharm | 0 | 0 | 0 | 0 |
| Total | 407,259 | 171,393 | 8,510 | 587,162 |

3.5.2 Expired Doses

These are vaccine doses that had not been administered by the manufactures use-by date indicated on the vials totalling to 30,225 doses. These expired at several levels as detailed below:

Table 10: Total Expired Vaccines

| Level | Expired | Expired and Disposed | Total Expired |
|-----------------------|---------------|----------------------|---------------|
| Meru Subcounty Stores | 16,472 | 1,440 | 17,912 |
| Facility Expiries | 11,098 | 1,215 | 12,313 |
| Totals | 27,570 | 2,655 | 30,225 |

Out of the total 30,225 the expired vaccines, 2,655 doses had been disposed by the time of the special audit in May 2022. Expired doses from the facilities were reported to have been sent to Sub County Stores, who in turn transported the same to the Regional Vaccines Store.

The Special Audit Team noted that the 30,225 expired Doses of vaccines, of AstraZeneca batch 210217 were received by Meru Sub County Stores and various facilities when the vaccines had less than 31 days remaining before expire as shown in Table below:

Table 11: Expired Vaccines with short shelf-life

| Batch | Batch expiry | Expired | Date of Receipt | Days to Expiry |
|--|--------------|---------------|----------------------------------|-------------------|
| 210217 - Oxford/AstraZeneca (At Subcounty Store) | 28 Feb 2022 | 28,325 | Various dates after 29 Jan, 2021 | Less than 31 days |
| 210217 - Oxford/AstraZeneca (At facilities) | 28 Feb 2022 | 1,900 | Various dates after 29 Jan, 2021 | Less than 31 days |
| TOTAL | | 30,225 | | |

3.5.3 Damaged Doses

These were vaccines that were not administered as the vaccine vial broke. All the 26 damaged vaccine doses in Meru County had been disposed by the time of the special audit in May 2022.

3.5.4 Wasted Doses

These were vaccine doses that were not administered due to failure to utilize within the stipulated timelines upon opening of the vial. 14,271 vaccine doses were reported as wasted in the County and had been disposed by the time of the special audit in May 2022.

3.5.5 Unexplained Vaccine Variances

Documents provided for audit revealed that 665,844 vaccine doses were dispatched to Meru County. However, reconciliation of the vaccine received, administered, in stock, expired, damaged and wasted revealed an unexplained variance of 9,370 doses with

estimated value of Kshs.5,875,710. Further AstraZeneca Vaccines indicated positive variances of 13,798 mainly attributed to gains during the vaccine administration.

The following weaknesses observed during the audit could have contributed to the unexplained variances: -

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

3.6 Disposal of Vaccines

The special audit noted that a total of 2,655 expired doses had not been disposed off as at the time of the audit.

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 below in Table 15 and detailed in **Appendices 8 and 9**.

Table 12– Disposal of Vaccines

| Observation/Findings | Regional Stores | Sub-County Stores | | Facilities | |
|---|-----------------|---------------------------------------|---|--------------------------------|------------------------------------|
| | | Number of Compliant Sub-County Stores | Number of Non-Compliant Sub-County Stores | Number of Compliant facilities | Number of Non-Compliant Facilities |
| Lack of a developed waste management plan | 0 | 0 | 9 | 0 | 114 |

| Observation/Findings | Regional Stores | Sub-County Stores | | Facilities | |
|---|-----------------|---------------------------------------|---|--------------------------------|------------------------------------|
| | | Number of Compliant Sub-County Stores | Number of Non-Compliant Sub-County Stores | Number of Compliant facilities | Number of Non-Compliant Facilities |
| Lack of budget for disposal of COVID-19 waste | 0 | 0 | 9 | 0 | 114 |
| 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 | 0 | N/A | N/A | 0 | 114 |
| Failure to record or to account for vaccine vials in the vaccine inventory report | 0 | 0 | 9 | 0 | 114 |
| 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 | 0 | 9 | 0 | 114 |
| Failure to dispose in a NEMA approved pharmaceutical disposal site in compliance with the | 0 | 0 | 9 | 0 | 114 |

| Observation/Findings | Regional Stores | Sub-County Stores | | Facilities | |
|---|-----------------|---------------------------------------|---|--------------------------------|------------------------------------|
| | | Number of Compliant Sub-County Stores | Number of Non-Compliant Sub-County Stores | Number of Compliant facilities | Number of Non-Compliant Facilities |
| Guidelines for safe management of pharmaceutical waste | | | | | |
| Disposal of pharmaceutical waste without supervision by a Pharmacy and Poisons Board inspector OR Public Health Officer in compliance with the Guidelines for safe management of pharmaceutical waste. | 0 | 0 | 9 | 0 | 114 |
| Disposing without a certificate of safe disposal of pharmaceutical waste in compliance with the Guidelines for secure management of pharmaceutical waste | 0 | 0 | 9 | 0 | 114 |
| 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 containers which are clearly labelled as per | 0 | 9 | 0 | 114 | 0 |

| Observation/Findings | Regional Stores | Sub-County Stores | | Facilities | |
|--|-----------------|---------------------------------------|---|--------------------------------|------------------------------------|
| | | Number of Compliant Sub-County Stores | Number of Non-Compliant Sub-County Stores | Number of Compliant facilities | Number of Non-Compliant Facilities |
| the the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used COVID-19 vaccines vials and ancillary supply | | | | | |
| Failure to have a pharmaceutical waste stored in designated quarantine stores and away from usable pharmaceutical | 1 | 0 | 9 | 0 | 114 |
| Lack of an incinerator, burning chamber or burning pit. | 0 | 9 | 0 | 114 | 0 |

In the circumstances, the undisposed expired, damaged and wasted vaccine may pose a health risk general public and the health officers. In addition, failure to follow the disposal protocols may also pose a worse health risk general public and the health officers.

3.7 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 and waste management.

Immediately after the COVID-19 vaccines were rolled out, trainings for different level personnel in the National and County Governments were conducted. Meru county

management explained that trainings in the County were undertaken through the assistance of partners.

Further, as identified during the special audit, the number of Healthcare Workers trained was very low which proved a challenge in the vaccination program.

A review of the documents provided for audit revealed anomalies as summarized below and detailed in **Appendices 10 and 11**.

Table 13 – Training at County Level

| Observation/Findings | Sub-County Stores | | Facilities | |
|---|---------------------------------------|--|--------------------------------|------------------------------------|
| | Number of Compliant Sub-County Stores | Number of non-Compliant Sub – Counties | Number of Compliant Facilities | Number of non-Compliant Facilities |
| County and Sub- Counties were not represented in National training for ToT. | 9 | 0 | N/A | N/A |
| Counties and Sub- Counties Health Management Team not trained on COVID-19 immunization | 9 | 0 | N/A | N/A |
| Trainings not well spread to all necessary cadres | 9 | 0 | N/A | N/A |
| Lack of a training plan and trainings not done as per training plan | 0 | 9 | 0 | 114 |
| Lack of a specific training budget for COVID-19 immunization | 0 | 9 | 0 | 114 |
| Variance between budget and actual expenditure for training on COVID-19 vaccination. | N/A | N/A | N/A | N/A |
| Lack of details including designation, attendance dates, financier of staff at national/county/subcounty/facility | 0 | 9 | 0 | 114 |
| Lack of adequate staff to carry out the COVID-19 vaccination | 0 | 9 | 0 | 114 |

| Observation/Findings | Sub-County Stores | | Facilities | |
|--|---------------------------------------|--|--------------------------------|------------------------------------|
| | Number of Compliant Sub-County Stores | Number of non-Compliant Sub – Counties | Number of Compliant Facilities | Number of non-Compliant Facilities |
| Lack of separation of roles and duties | 0 | 9 | 0 | 114 |
| Lack of prior training on COVID– 19 including vaccine administration | 9 | 0 | 114 | 0 |
| Failure to use trained staff to train other staff | 9 | 0 | 114 | 0 |

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

3.8 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 14 – Coordination at County Level

| Observation/Findings | County | Sub County Stores | | Facilities | |
|--|--------------------------|----------------------------------|--|--------------------------------|------------------------------------|
| | Non-Compliance in County | Number of Compliant Sub-Counties | Number of non-Compliant Sub – Counties | Number of compliant Facilities | Number of non-Compliant Facilities |
| Failure to form coordination taskforce/committee | 1 | 0 | 9 | 0 | 114 |
| Task force /committee without terms of reference (TOR) | 1 | 0 | 9 | N/A | N/A |

| Observation/Findings | County | Sub County Stores | | Facilities | |
|--|--------------------------|----------------------------------|--------------------------------------|--------------------------------|------------------------------------|
| | Non-Compliance in County | Number of Compliant Sub-Counties | Number of non-Compliant Sub-Counties | Number of compliant Facilities | Number of non-Compliant Facilities |
| Failure to comply with the TORS | 1 | 0 | 9 | N/A | N/A |
| Lack of directives/advisory/instruction from higher levels in the COVID- 19 Vaccine management | 1 | 9 | 0 | N/A | N/A |
| Lack of upward/downward communication in COVID- 19 Vaccine Roll out | 1 | 9 | 0 | 114 | 0 |
| Lack of committee meetings | 1 | 1 | 8 | 0 | 114 |
| Failure to carry out advocacy | 1 | 9 | 0 | 114 | 0 |
| Failure to carry out mobilization | 1 | 9 | 0 | 114 | 0 |
| Failure to carry out mobilization outreaches | 1 | 9 | 0 | 114 | 0 |

From the foregoing, all the nine (9) Sub Counties had no co-ordination task force, did not have any documentation on the Terms of Reference and thus were not in compliance.

3.9 Monitoring and Supervision

3.9.1 Monitoring and Supervision at the County and Facilities Level

A review of documents provided for audit at the various levels of COVID- 19 management revealed anomalies as summarized at Table 19 below and detailed in **Appendices 15, 16 and 17.**

Table 15-Monitoring and Supervision at the County and Facilities Level

| Observation/Findings | County | Sub-County Store | | Facilities | |
|--|--------------------------|------------------------------------|--|--------------------------------|------------------------------------|
| | Non-Compliance at County | Number of Compliant Sub – Counties | Number of Non-Compliant Sub – Counties | Number of Compliant Facilities | Number of non-Compliant Facilities |
| Lack of a designated officer as an in charge for monitoring COVID-19 vaccine rollout | 1 | 9 | 0 | 0 | 114 |
| Lack tablets from the Ministry | 0 | 9 | 0 | 26 | 88 |
| Tablet not in good working conditions | 1 | 9 | 0 | 20 | 6 |
| Personnel involved in the rollout not facelifted by air time | 1 | 0 | 9 | 0 | 114 |
| Lack of mechanism/measures where patients could report adverse effect after vaccination. | 0 | 9 | 0 | 0 | 114 |
| Lack of Adverse effect booklet etc that are required to report adverse effects | 0 | 9 | 0 | 114 | 0 |
| Failure to monitor temperature during transportation of vaccines | N/A | 0 | 9 | 0 | 114 |

| Observation/Findings | County | Sub-County Store | | Facilities | |
|--|--------------------------|------------------------------------|--|--------------------------------|------------------------------------|
| | Non-Compliance at County | Number of Compliant Sub - Counties | Number of Non-Compliant Sub - Counties | Number of Compliant Facilities | Number of non-Compliant Facilities |
| Failure to record temperature every morning and evening in the temperature monitoring chart/tool | N/A | 9 | 0 | 114 | 0 |
| Failure to monitor for the expiry of the vaccines | N/A | 9 | 0 | 114 | 0 |
| Failure to monitor the Pfizer and Moderna vaccines for the 30 days expiry period after thawing | N/A | 9 | 0 | 114 | 0 |

In view of the above, the facilities failed to monitor temperatures using thermometers during transportation of vaccines and as a result one cannot tell if they have deviated beyond the specified range. It was also noted that there was inconsistent release of the monthly airtime.

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

4.1 Irregularities and Weaknesses at the County and Sub County Level

The following irregularities and weaknesses and the corresponding recommendations were observed by the special audit at the Meru County and Sub County levels.

Table 16 – Irregularities and Weaknesses at the County and Sub County Level

| | Irregularities and Weaknesses | Recommendations |
|----|--|--|
| 1. | Inconsistent use and lack of updating the Chanjo System. Most of the facilities were using eLMIS which is used for routine vaccine management but was not the recognized system for COVID-19 vaccine roll out and vaccine doses management. Consequently, there were notable inaccuracies and incomplete records | The facilities should ensure proper accountability of vaccines receipts, issues and utilization through consistent use and updating of the same in Chanjo System |
| 2. | Inventory inaccuracy and incomplete records as evidenced by most facilities which were not defined in the Chanjo System – not updating their manual vaccines stock ledgers whose records are used to feed into the Chanjo System, that is, through the main facility | We recommend use of the Chanjo System to account for COVID-19 vaccines. For those facilities not in Chanjo System, we recommend that they are defined for accountability purposes. |
| 3. | Inadequate staffing of the vaccinators who at times doubled up to register the people being vaccinated | The County Government should have adequate number of staff in their health facilities so as to meet the increasing demand for the services |
| 4. | The health records information officers/data clerks would at times feed in the System wrong batch numbers and wrong dates for vaccine administration. There would be instances of late data entries leading to loss of data where the information captured manually was not clear | The County should do follow ups or reviews of work done by the officers so as to improve service delivery. Data should be captured real time in the System to avoid any loss. |
| 5. | Lack of proper inventory records on the tablets in regards to distribution up to the facility level and condition of the tablets. | The County Government should maintain proper and up to date inventory records. They should carry out regular maintenance of the tablets |

5.0 Conclusion

The objective of the Special Audit was to determine the efficiency and effectiveness of the COVID19 vaccine roll out in County Government of Meru. Following the findings, the County should ensure that all vaccinating facilities are defined in the Chanjo System and effective supervision of the activities at the County, Sub County and facilities on all matters relating to receipts, issues and administrating of vaccine. The above weaknesses resulted into unexplained variance of 9,370 vaccine doses valued at **Kshs.5,875,710** based on the average cost of vaccine during the period.

The county management should ensure that the losses from expiry, wastage, damage and unexplained System differences are minimized.

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


CPA Nancy Gathungu, CBS
AUDITOR-GENERAL

24 June, 2022

Nairobi

MERU COUNTY

6.0 APPENDICES

Appendix 1: Vaccinating Facilities in Meru County

| Sub-County | Subcounty Store | Facilities under Subcounty | Defined in Chanjo System (Yes /no) |
|----------------|--|--|------------------------------------|
| Buuri | Timau Subcounty Hospital | 1. Timau Sub-County Hospital | Yes |
| | | 2. St Theresa Hospital (Kiirua) | Yes |
| | | 3. Ruiru Rural Health Demonstration Centre | Yes |
| | | 4. Ontulili Dispensary | Yes |
| | | 5. Ntiriti Dispensary | Yes |
| | | 6. Ngarendare Dispensary | Yes |
| | | 7. Naari Health Centre | Yes |
| | | 8. Mboroga dispensary | Yes |
| | | 9. Maritati Dispensary | Yes |
| | | 10. Lewa Downs Dispensary | Yes |
| | | 11. Kimbo Dispensary | Yes |
| | | 12. Kiirua Health Centre | Yes |
| | | 13. Kibirichia Sub-District Hospital | Yes |
| | | 14. Gundua Health Centre | Yes |
| Igembe Central | Kangeta health centre Subcounty Hospital | 15. Thuuru dispensary | Yes |
| | | 16. Thamare dispensary | Yes |
| | | 17. Nthare Catholic Health Centre | Yes |
| | | 18. Nthambiro Dispensary | Yes |
| | | 19. Nkinyang'a dispensary | Yes |
| | | 20. Muuru Dispensary | Yes |
| | | 21. Kina Dispensary | Yes |
| | | 22. Kawiru Dispensary | Yes |
| | | 23. Athiru Runjiine dispensary | No |
| | | 24. Baibariu dispensary | No |
| | | 25. Antubentwe njoune dispensary | No |
| | | 26. Machungulu dispensary | No |
| | | 27. Thumbereria dispensary | No |

| Sub-County | Subcounty Store | Facilities under Subcounty | Defined in Chanjo System (Yes /no) |
|----------------|-----------------------------|---------------------------------|------------------------------------|
| | | 28. Kalimbene dispensary | No |
| | | 29. Kathelwa dispensary | Yes |
| | | 30. Kani karui dispensary | Yes |
| | | 31. Kangeta health centre | Yes |
| Igembe North | Mutuati sub county hospital | 32. Theere Health Centre | Yes |
| | | 33. Mutuati sub county hospital | Yes |
| | | 34. Laare Health centre | Yes |
| | | 35. Kilera Dispensary | Yes |
| | | 36. Kairuru Dispensary | Yes |
| | | 37. KK Itama dispensary | No |
| | | 38. Muromutua Dispensary | Yes |
| | | 39. Kaelo dispensary | Yes |
| Igembe South | Nyambene district hospital | 40. Akachiu Health Centre | Yes |
| | | 41. Amwamba Dispensary | Yes |
| | | 42. Antubochiu dispensary | Yes |
| | | 43. Nyambene district hospital | Yes |
| | | 44. Mutiokiama Health Centre | Yes |
| | | 45. Maua Methodist hospital | Yes |
| | | 46. Kiraone dispensary | Yes |
| | | 47. Kililii dispensary | Yes |
| | | 48. Kiegoi Health Centre | Yes |
| | | 49. Kanthiari Dispensary | Yes |
| | | 50. Kalamene Dispensary | Yes |
| Imenti Central | Gatimbi health centre | 51. Githongo District Hospital | Yes |
| | | 52. Gatimbi health centre | No |
| | | 53. Mwanika dispensary | No |
| | | 54. Kaongo dispensary | No |
| | | 55. Kathiranga dispensary | No |
| | | 56. Cottolengo Mission Hospital | Yes |

| Sub-County | Subcounty Store | Facilities under Subcounty | Defined in Chanjo System (Yes /no) |
|----------------------|--|--|------------------------------------|
| Imenti North | Meru Teaching and Referral Hospital | 57. Rwanyange dispensary | Yes |
| | | 58. Runogone dispensary | Yes |
| | | 59. Nthungu dispensary | Yes |
| | | 60. Ndiine dispensary | Yes |
| | | 61. Meru District hospital | Yes |
| | | 62. Chabuene dispensary | Yes |
| | | 63. Chugu dispensary | Yes |
| | | 64. Kinoru dispensary | Yes |
| | | 65. Kiburine dispensary | Yes |
| | | 66. Kianjuri dispensary | Yes |
| | | 67. Kathithi dispensary | Yes |
| | | 68. Gakoromone dispensary | Yes |
| | | 69. Gankere dispensary | Yes |
| | | 70. Giaki Sub-District Hospital | Yes |
| 71. Igoki dispensary | Yes | | |
| Imenti South | Kanyakine district hospital Subcounty Hospital | 72. Uruku GK dispensary | Yes |
| | | 73. St Ann Hospital | Yes |
| | | 74. Nkubu GK Dispensary | Yes |
| | | 75. Muutiokiama Health Centre | Yes |
| | | 76. Mitunguu Dispensary | Yes |
| | | 77. Mikumbune sub-district hospital | Yes |
| | | 78. Consolata Mission Hospital (Nkubu) | Yes |
| | | 79. Gaatia Dispensary | Yes |
| | | 80. Kirogine Dispensary | Yes |
| | | 81. Kinoro sub-district hospital | Yes |
| | | 82. Kiarago health centre | Yes |
| | | 83. Kathigu Health centre | Yes |
| | | 84. Kanyakine district hospital | Yes |
| | | 85. Kionyo Health centre | No |

| Sub-County | Subcounty Store | Facilities under Subcounty | Defined in Chanjo System (Yes /no) |
|----------------------------------|---|-------------------------------------|------------------------------------|
| | | 86. Ithimbari dispensary | Yes |
| Tigania Central and Tigania East | Muthara sub-district hospital Sub-county Hospital | 87. Mulika Dispensary | Yes |
| | | 88. St John of God hospital Tigania | Yes |
| | | 89. Muthara sub-district hospital | Yes |
| | | 90. Mikinduri Sub-District Hospital | Yes |
| | | 91. Kunati Health Centre | Yes |
| | | 92. Kiguchwa dispensary | Yes |
| | | 93. Karama dispensary | Yes |
| | | 94. Charuru dispensary dispensary | No |
| | | 95. Lailuba dispensary dispensary | No |
| | | 96. Amugaa dispensary dispensary | No |
| | | 97. Lainyiru dispensary | No |
| | | 98. Akaiga dispensary | No |
| Tigania West | Miathene district hospital Sub-county Hospital | 99. Uringu Health Centre | Yes |
| | | 100. St. Ann Kagaene Dispensary | Yes |
| | | 101. Rei Dispensary | Yes |
| | | 102. Ncooro Dispensary | Yes |
| | | 103. Mweronkaga Health Centre | Yes |
| | | 104. Mutionjuri Health Centre | Yes |
| | | 105. Mucuune dispensary | Yes |
| | | 106. Mituntu Health Centre | Yes |
| | | 107. Miathene district hospital | Yes |
| | | 108. Mbeu sub-district hospital | Yes |
| | | 109. Limoro Dispensary | Yes |
| | | 110. Limauro Dispensay | Yes |
| | | 111. Kunene health centre | Yes |
| | | 112. Kitheo dispensary | Yes |
| | | 113. Kimachia dispensary | Yes |
| | | 114. Kibiru dispensary | Yes |

Appendix 2: Budget at County and Subcounty Level – Meru County

| Location | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Meru County | No | Yes | Yes | No | No | No | No | No |
| 1. Buuri | No | Yes | Yes | No | No | No | No | No |
| 2. Igembe Central | No | Yes | Yes | No | No | No | No | No |
| 3. Igembe North | No | Yes | Yes | No | No | No | No | No |
| 4. Igembe South | No | Yes | Yes | No | No | No | No | No |
| 5. Imenti Central | No | Yes | Yes | No | No | No | No | No |
| 6. Imenti North | No | Yes | Yes | No | No | No | No | No |
| 7. Imenti South | No | Yes | Yes | No | No | No | No | No |
| 8. Tigania East | No | Yes | Yes | No | No | No | No | No |
| 9. Tigania West | No | Yes | Yes | No | No | No | No | No |
| Compliance | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 0 |
| Non-Compliance | 9 | 0 | 0 | 9 | 9 | 9 | 9 | 9 |

KEY/DETAILS:

✓ Yes

X - No

- B1** Were the associated COVID-19 vaccination costs, including transportation, training and procurement of auxiliary services such as syringes and safety boxes, budgeted for?
- B2** Did the county receive any COVID-19 related budgetary support from donors/National government?
- B3** Did the county spend on COVID-19 vaccination?

B4 Did the subcounty/Facility finance the following costs related to COVID-19 vaccination;

B5 i) Distribution of Vaccines/

B6 ii) Outreaches

B7 iii) Trainings

B8 iv) Acquisition of auxiliary facilities (Temperature monitoring tools, Adverse effect reporting booklet, Needles etc) ?

Appendix 3: Storage at Subcounty Level – Meru County

| | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 | S11 | S12 | S13 | S14 | S15 | S16 | S17 | S18 | S19 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Meru County | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| 1. Buuri | Yes | No | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| 2. Igembe Central | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| 3. Igembe North | Yes | No | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| 4. Igembe South | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| 5. Imenti Central | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| 6. Imenti North | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| 7. Imenti South | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| 8. Tigania East | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| 9. Tigania West | Yes | No | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| Compliant | 9 | 0 | 9 | 8 | 7 | 7 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 9 |
| Non-Compliant | 0 | 9 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 |

KEY/DETAILS:

✓Yes

X - No

- S1 Does the building have sufficient security to prevent loss of COVIDvaccines as well as prevent unauthorized access?
- S2 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.)
- S3 Are the Broken or damaged items withdrawn from usable stock and stored separately?
- S4 Is there sufficient lighting necessary to enable all operations to be carried out accurately and safely?
- S5 Are all COVID-19 vaccines stored off the floor?
- 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.)
- S16** Are the warehouse maintained at a temperature Xt exceeding 30 °C, and relative humidity Xt exceeding 75% Relative humidity (WHO zone IVb requirements) at all times?
- S17** Are the storage conditions of the refrigerators per the vaccine manufacturer's recommendations? (Refrigerated (2°C to 8°C))
- S18** Are there continuous temperature monitoring devices? - If Yes, are there Written procedures describing the action in case of temperature deviating outside of the set standards and conditions?
- S19** Does the county have any stock in the Cold Room? If Yes perform Physical count of doses in the cold room (Grouped per vaccine and Batch X.) and populate the remarks and hyperlink in the remarks column a paper tabulating the results of the count.

Appendix 4: Storage at Facility Level – Meru County

| Subcounty | Storage Facility | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
|-----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1. Buuri | Timau Sub-County Hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | St Theresa Hospital (Kiirua) | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Ruiru Rural Health Demonstration Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Ontulili Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Ntirimiti Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Ngarendare Dispensary | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Naari Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Mboroga dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Maritati Dispensary | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Lewa Downs Dispensary | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |

| | | | | | | | | | | | | |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Subcounty | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
| | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Kimbo Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Kiirua Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Kibirichia Sub-District Hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Gundua Health Centre | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes |
| 2. Igembe central | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes |
| Thamare dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Nthare Catholic Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Nthambiro Dispensary | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Nkinyang'a dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Muuru Dispensary | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | Yes | Yes |
| Kina Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Kawiru Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Athiru Runjiline dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Baibariu dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Antubentwe njoune dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Machungulu dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Thumberia dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| Kalimbene dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |

| | | | | | | | | | | | | | |
|-----------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Subcounty | Storage Facility | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
| | kathelwa dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kani Karui dispensary | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kangeta health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| 3. Igembe north | Theree Health Centre | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Mutuati sub county hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Laare Health centre | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes |
| | Kilera Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kairuru Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | KK Itama dispensary | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes |
| | Muromutua Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kaelo dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes |
| 4. Igembe south | Akachiu Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Ammamba Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Antubochiu dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Nyambene district hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Mutiokama Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Maui Methodist hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kiraone dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kilimili dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kiegoi Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |

| | | | | | | | | | | | | | |
|-------------------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Subcounty | Storage Facility | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
| | Kantihari Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kalamene Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| 5. Imenti central | Gitongo District Hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Gatimbi health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Mwanika dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kaongo dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kathiranga dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Cottleno Mission Hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| 6. Imenti north | Rwanyange dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Runogone dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Nthungu dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Ndiine dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Meru District hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Chabuene dispensary | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Chugu dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kinoru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kiburine dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kianjuri dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kathithi dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Gakoromone dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |

| | | | | | | | | | | | | | |
|-----------------------------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Subcounty | Storage Facility | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
| 8. Tigania central and east | Mulika Dispensary | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | St John of God hospital Tigania | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Muthara sub-district hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Mikinduri Sub-District Hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kunati Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kiguchwa dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Karama dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Charuru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Lailuba dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Amugaa dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Lainyiru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Akaiga dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| 9. Tigania west | Uringu Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | St. Ann Kagae Dispensary | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Rei Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Ncooro Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |

| Subcounty | Storage Facility | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 |
|-----------|----------------------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Mweronkaga Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Mutionjuri Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Mucuune dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Mituntu Health Centre | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | No | No | Yes | Yes |
| | Miathene district hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Mbeu sub-district hospital | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Limoro Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Limauru Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | No | No | No | No |
| | Kunene health centre | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kitheo dispensary | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kimachia dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Kibiru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | No | Yes | Yes |
| | Compliant | 113 | 114 | 113 | 91 | 114 | 114 | 109 | 114 | 0 | 0 | 113 | 113 |
| | Non-Compliant | 1 | 0 | 1 | 23 | 0 | 0 | 5 | 0 | 114 | 114 | 1 | 1 |

KEY/DETAILS:

- ✓Yes
- X - No

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? (Refrigerated (2°C to 8°C))
- ST12 Is there Continuous temperature monitoring devices? If ✓, are there Written procedures describing the action in case of temperature deviating outside of the set standards and conditions?

Appendix 5 – Receipts at Meru Regional Vaccine Store Up to 31 March, 2022

| Batch | Antigen | Received at Meru Region | Details | Adjustments | Received after Adjustments |
|-------------------------------------|-------------|-------------------------|--|-------------|----------------------------|
| 019F21A - Moderna Total | Moderna | 21,420 | | - | 21,420 |
| 049E21A - Moderna Total | Moderna | 40,530 | Batch received at Meru RVS was 40,320 which was less by 210 doses | (210) | 40,320 |
| 4121Z010 Astrazeneca | Astrazeneca | | This batch was received from NVP Via Nyeri Regional Office and was not captured in Tracker | 1,300 | 1,300 |
| 210005 - Oxford/AstraZeneca Total | Astrazeneca | 7,000 | | - | 7,000 |
| 210157 - Oxford/AstraZeneca Total | Astrazeneca | 22,800 | 800 batches were regional returns from Isiolo | 800 | 22,000 |
| 210215 - Oxford/AstraZeneca Total | Astrazeneca | 100,800 | | - | 100,800 |
| 210217 - Oxford/AstraZeneca Total | Astrazeneca | 98,400 | | - | 98,400 |
| 210304 - Oxford/AstraZeneca Total | Astrazeneca | 51,000 | Total batch received on Chanjo was 51000 while Meru RVS had 50,000 | 1,000 | 50,000 |
| 32131BD - Pfizer Total | Pfizer | 52,650 | | - | 52,650 |
| 4120Z030 - Oxford/AstraZeneca Total | Astrazeneca | 41,170 | Total batch received on Chanjo was 41,170 while Meru RVS had 39,000 | 2,170 | 39,000 |
| 940906 - Moderna Total | Moderna | 6,720 | | - | 6,720 |

| Batch | Antigen | Received at Meru Region | Details | Adjustments | Received after Adjustments |
|--------------------------------------|-------------|-------------------------|---|-------------|----------------------------|
| AB0024 - Oxford/AstraZeneca Total | Astrazeneca | 16,800 | 800 batches were regional returns from Isiolo | 800 | 16,000 |
| ABW2953 - Oxford/AstraZeneca Total | Astrazeneca | 12,000 | | - | 12,000 |
| ABZ8944 - Oxford/AstraZeneca Total | Astrazeneca | 20,000 | | - | 20,000 |
| ACB3580 - Oxford/AstraZeneca Total | Astrazeneca | 25,800 | Total batch received on Chanjo was 25,800 while Meru RVS had 2,300 | 2,300 | 23,500 |
| ACB3796 - Oxford/AstraZeneca Total | Astrazeneca | 28,800 | | - | 28,800 |
| ACB6959 - Janssen (Ad26.CO2-S) Total | Janssen | 90,200 | Total batch received on Chanjo was 90,200 while Meru RVS had 74,400 | 15,800 | 74,400 |
| ACB7168 - Janssen (Ad26.CO2-S) Total | Janssen | 156,300 | Total batch received on Chanjo was 156,300 while Meru RVS had 105,600 | 50,700 | 105,600 |
| FJ8759 - Pfizer Total | Pfizer | 52,650 | | - | 52,650 |
| FL3208 - Pfizer Total | Pfizer | 246,870 | | - | 246,870 |
| No44A - Oxford/AstraZeneca Total | Astrazeneca | 10,010 | This batch was included in the tracker but receipt was on 11th April, 2022 and was thus past the audit scope. | 10,010 | - |

| Batch | Antigen | Received at Meru Region | Details | Adjustments | Received after Adjustments |
|--|-------------|-------------------------|---|---------------|----------------------------|
| NH0296 - Oxford/AstraZeneca Total | Astrazeneca | 13,400 | 400 batches were regional returns from Saku | 400 | 13,000 |
| NN0195 - Oxford/AstraZeneca Total | Astrazeneca | 12,000 | | - | 12,000 |
| PV46704 - Oxford/AstraZeneca Total | Astrazeneca | 6,000 | | - | 6,000 |
| PV46707 - Oxford/AstraZeneca Total | Astrazeneca | 21,120 | | - | 21,120 |
| XE436 - Janssen (Ad26.COVID-2-S) Total | Janssen | 4,000 | | - | 4,000 |
| XE442 - Janssen (Ad26.COVID-2-S) Total | Janssen | 72,000 | | - | 72,000 |
| XE443 - Janssen (Ad26.COVID-2-S) Total | Janssen | 6,600 | Total batch received on Chanjo was 6.600 while Meru RVS had 1,600 | 5,000 | 1,600 |
| XE528 - Janssen (Ad26.COVID-2-S) Total | Janssen | 102,300 | Total batch received on Chanjo was 102,300 while Meru RVS had 100.800 | 1,500 | 100,800 |
| Grand Total | | 1,339,340 | | 91,570 | 1,249,950 |

| Doses Received by Meru Rvs Per Antigen, Before and After Adjustment | | |
|---|-----------------|--------------------------|
| | Values | |
| Antigen | Sum of Received | Sum of adjusted receipts |
| Janssen (Ad26.COVID-2) | 431,400 | 358,400 |

| | | |
|--------------------|------------------|------------------|
| Moderna | 68,670 | 68,460 |
| Oxford/AstraZeneca | 487,100 | 470,920 |
| Pfizer | 352,170 | 352,170 |
| Grand Total | 1,339,340 | 1,249,950 |

Appendix 6 – Antigens Receipts at Meru County Facilities up to March 2022

| Antigen | Sub-County | Facilities | Total |
|---------------------|-------------------------------|--|-------|
| 1. Astrazeneca | 1. Buuri | Gundua Health Centre | 1,350 |
| | | 1. Kibirichia Sub-District Hospital | 5,900 |
| | | 2. Kiirua Health Centre | 1,050 |
| | | 3. Kimbo Dispensary | 150 |
| | | 4. Lewa Downs Dispensary | 380 |
| | | 5. Maritati Dispensary | 110 |
| | | 6. Mboroga dispensary | 630 |
| | | 7. Naari Health Centre | 640 |
| | | 8. Ngarendare Dispensary | 450 |
| | | 9. Ntirititi Dispensary | 10 |
| | | 10. Ontulili Dispensary | 2,000 |
| | | 11. Ruiiri Rural Health Demonstration Centre | 3,000 |
| | | 12. St Theresa Hospital (Kiirua) | 7,534 |
| | 13. Timau Sub-County Hospital | 9,160 | |
| | 2. Igembe Central | 14. Kangeta health Centre | 8,891 |
| | | 15. Kani karui dispensary | 800 |
| | | 16. Kathelwa dispensary | 3,552 |
| | | 17. Kawiru Dispensary | 1,647 |
| 18. Kina Dispensary | | 1,100 | |

| Antigen | Sub-County | Facilities | Total |
|------------------------|-----------------|-----------------------------------|--------|
| | | 19. Muuru Dispensary | 5,828 |
| | | 20. Nkinyang'a dispensary | 270 |
| | | 21. Nthambiro Dispensary | 3,004 |
| | | 22. Nthare Catholic Health Centre | 2,100 |
| | | 23. Thamare dispensary | 3,447 |
| | | 24. Thuuru dispensary | 650 |
| | 3. Igembe North | 25. Kaelo dispensary | 400 |
| | | 26. Kairuru Dispensary | 370 |
| | | 27. Kibera Dispensary | 10 |
| | | 28. Laare health centre | 100 |
| | | 29. Mutuati sub county hospital | 16,221 |
| | | 30. Theere Health Centre | 400 |
| | 4. Igembe South | 31. Akachiu Health Centre | 1,578 |
| | | 32. Amwamba Dispensary | 2,030 |
| | | 33. Antubochiu dispensary | 2,140 |
| | | 34. Kalamene Dispensary | 1,168 |
| | | 35. Kanthiari Dispensary | 1,900 |
| | | 36. Kiegoi Health Centre | 630 |
| 37. Kililii dispensary | | 599 | |
| 38. Kiraone dispensary | | 2,350 | |

| Antigen | Sub-County | Facilities | Total |
|---------|--------------------------|---------------------------------|--------|
| | | 39. Maua Methodist hospital | 2,540 |
| | | 40. Mutiokiyama Health Centre | 1,498 |
| | | 41. Nyambene district hospital | 11,971 |
| | 5. Imenti Central | 42. Cottolengo Mission Hospital | 2,468 |
| | | 43. Githongo District Hospital | 35,552 |
| | 6. Imenti North | 44. Chabuene dispensary | 850 |
| | | 45. Chugu dispensary | 1,300 |
| | | 46. Gakoromone dispensary | 2,680 |
| | | 47. Gankere dispensary | 900 |
| | | 48. Giaki Sub-District Hospital | 6,620 |
| | | 49. Igoki dispensary | 1,080 |
| | | 50. Kathithi dispensary | 1,170 |
| | | 51. Kianjuri dispensary | 3,820 |
| | | 52. Kiburine dispensary | 360 |
| | | 53. Kinoru dispensary | 7,630 |
| | | 54. Meru District hospital | 29,594 |
| | | 55. Ndiine dispensary | 260 |
| | | 56. Nthungu dispensary | 950 |
| | | 57. Runogone dispensary | 1,400 |
| | 58. Rwanyange dispensary | 640 | |

| Antigen | Sub-County | Facilities | Total |
|---------|---------------------|--|--------|
| | 7. Imenti South | 59. Consolata Mission Hospital (Nkubu) | 4,740 |
| | | 60. Gaatia Dispensary | 50 |
| | | 61. Ithimbari dispensary | 30 |
| | | 62. Kanyakine district hospital | 11,490 |
| | | 63. Kathigu Health centre | 750 |
| | | 64. Kiarago health centre | 440 |
| | | 65. Kinoro sub-district hospital | 5,340 |
| | | 66. Mikumbune sub-district hospital | 5,380 |
| | | 67. Mitunguu Dispensary | 1,900 |
| | | 68. Muutiokiamama Health Centre | 1,050 |
| | | 69. Nkubu Dispensary | 390 |
| | 70. St Ann Hospital | 3,430 | |
| | 8. Tigania Central | 71. Mulika Dispensary | 2,010 |
| | 9. Tigania East | 72. Karama dispensary | 2,300 |
| | | 73. Kiguchwa dispensary | 2,950 |
| | | 74. Kunati Health Centre | 3,290 |
| | | 75. Mikinduri Sub-District Hospital | 6,812 |
| | | 76. Muthara sub-district hospital | 8,514 |
| | | 77. St John of God hospital Tigania | 2,434 |
| | 10. Tigania West | 78. Kibiru dispensary | 200 |

| Antigen | Sub-County | Facilities | Total |
|-----------|--------------|-------------------------------------|----------------|
| | | 79. Kimachia dispensary | 400 |
| | | 80. Kitheo dispensary | 429 |
| | | 81. Kunene health centre | 3,330 |
| | | 82. Limauru Dispensary | 250 |
| | | 83. Limoro Dispensary | 400 |
| | | 84. Mbeu sub-district hospital | 2,820 |
| | | 85. Miathene district hospital | 8,400 |
| | | 86. Mituntu Health Centre | 2,820 |
| | | 87. Mucuune dispensary | 1,450 |
| | | 88. Mutionjuri health centre | 2,100 |
| | | 89. Mweronkaga Health Centre | 1,900 |
| | | 90. Ncooro Dispensary | 600 |
| | | 91. Rei Dispensary | 400 |
| | | 92. St. Ann Kagaene Dispensary | 1,100 |
| | | 93. Uringu Health Centre | 640 |
| | Total | | 297,371 |
| Antigen | Sub-County | Facilities | Total |
| 2. Pfizer | 1. Buuri | 1. Gundua Health Centre | 480 |
| | | 2. Kibirichia Sub-District Hospital | 1,252 |
| | | 3. Kiirua Health Centre | 636 |

| Antigen | Sub-County | Facilities | Total | |
|---------|---------------------------|---|---------------------------|-------|
| | | 4. Kimbo Dispensary | 150 | |
| | | 5. Lewa Downs Dispensary | 330 | |
| | | 6. Maritati Dispensary | 90 | |
| | | 7. Mboroga dispensary | 696 | |
| | | 8. Naari Health Centre | 180 | |
| | | 9. Ngarendare Dispensary | 276 | |
| | | 10. Ontulili Dispensary | 510 | |
| | | 11. Ruiru Rural Health Demonstration Centre | 520 | |
| | | 12. St Theresa Hospital (Kiirua) | 3,848 | |
| | | 13. Timau Sub-County Hospital | 7,056 | |
| | | 2. Igembe Central | 14. Kangeta health centre | 6,843 |
| | | | 15. Kani karui dispensary | 30 |
| | | | 16. Kathelwa dispensary | 2,518 |
| | 17. Kawiru Dispensary | | 1,898 | |
| | 18. Kina Dispensary | | 1,410 | |
| | 19. Muuru Dispensary | | 5,625 | |
| | 20. Nkinyang'a dispensary | | 150 | |
| | 21. Nthambiro Dispensary | | 2,621 | |
| | 22. Thamare dispensary | | 2,308 | |
| | 23. Thuuru dispensary | | 198 | |

| Antigen | Sub-County | Facilities | Total |
|---------|-------------------|---------------------------------|--------|
| | | 24. Kaeio dispensary | 1,170 |
| | 3. Igembe North | 25. Kairuru Dispensary | 290 |
| | | 26. Laare Health centre | 1,170 |
| | | 27. Mutuati sub county hospital | 9,130 |
| | | 28. Theere Health Centre | 1,530 |
| | 4. Igembe South | 29. Akachiu Health Centre | 1,398 |
| | | 30. Amwamba Dispensary | 1,176 |
| | | 31. Antubochiu dispensary | 1,026 |
| | | 32. Kanthiari Dispensary | 492 |
| | | 33. Kiegoi Health Centre | 302 |
| | | 34. Kililii dispensary | 120 |
| | | 35. Kiraone dispensary | 2,546 |
| | | 36. Maua Methodist hospital | 96 |
| | | 37. Mutiokiana Health Centre | 4,440 |
| | | 38. Nyambene district hospital | 4,776 |
| | 5. Imenti Central | 39. Cottolengo Mission Hospital | 1,464 |
| | | 40. Githongo District Hospital | 31,296 |
| | 6. Imenti North | 41. Chabuene dispensary | 708 |
| | | 42. Chugu dispensary | 300 |
| | | 43. Gakoromone dispensary | 1,512 |

| Antigen | Sub-County | Facilities | Total |
|---------|-----------------|--|-------|
| | | 44. Gankere dispensary | 180 |
| | | 45. Giaki Sub-District Hospital | 1,170 |
| | | 46. Igoki dispensary | 330 |
| | | 47. Kathithi dispensary | 852 |
| | | 48. Kianjuri dispensary | 550 |
| | | 49. Kiburine dispensary | 540 |
| | | 50. Kinoru dispensary | 4,026 |
| | | 51. Meru District hospital | 7,028 |
| | | 52. Nthungu dispensary | 920 |
| | | 53. Runogone dispensary | 1,612 |
| | | 54. Rwanyange dispensary | 204 |
| | 7. Imenti South | 55. Consolata Mission Hospital (Nkubu) | 5,640 |
| | | 56. Gaatia Dispensary | 60 |
| | | 57. Ithimbari dispensary | 60 |
| | | 58. Kanyakine district hospital | 9,866 |
| | | 59. Kathigu Health centre | 1,482 |
| | | 60. Kiarago health centre | 1,746 |
| | | 61. Kinoro sub-district hospital | 3,234 |
| | | 62. Mikumbune sub-district hospital | 4,998 |
| | | 63. Mitunguu Dispensary | 2,460 |

| Antigen | Sub-County | Facilities | Total |
|---------|--------------------|-------------------------------------|-------|
| | | 64. Muutiokiamama Health Centre | 1,516 |
| | | 65. Nkubu Dispensary | 1,728 |
| | | 66. St Ann Hospital | 1,386 |
| | | 67. Uruku GK dispensary | 120 |
| | 8. Tigania Central | 68. Mulika Dispensary | 342 |
| | 9. Tigania East | 69. Karama dispensary | 2,214 |
| | | 70. Kiguchwa dispensary | 990 |
| | | 71. Kunati Health Centre | 1,698 |
| | | 72. Mikinduri Sub-District Hospital | 5,832 |
| | | 73. Muthara sub-district hospital | 4,302 |
| | | 74. St John of God hospital Tigania | 732 |
| | 10. Tigania West | 75. Kibiru dispensary | 720 |
| | | 76. Kimachia dispensary | 720 |
| | | 77. Kitheo dispensary | 540 |
| | | 78. Kunene health centre | 1,500 |
| | | 79. Limauru Dispensary | 300 |
| | | 80. Limoro Dispensary | 270 |
| | | 81. Mbeu sub-district hospital | 5,250 |
| | | 82. Miathene district hospital | 7,950 |
| | | 83. Mituntu Health Centre | 1,506 |

| Antigen | Sub-County | Facilities | Total |
|--------------|------------|-------------------------------------|----------------|
| | | 84. Mucuune dispensary | 1,086 |
| | | 85. Mutionjuri Health Centre | 2,298 |
| | | 86. Mweronkaga Health Centre | 1,420 |
| | | 87. Ncooro Dispensary | 426 |
| | | 88. Rei Dispensary | 540 |
| | | 89. St. Ann Kagaene Dispensary | 542 |
| | | 90. Uringu Health Centre | 180 |
| Total | | | 197,633 |
| Antigen | Sub-County | Facilities | Total |
| 3. Jansen | 1. Buuri | 1. Gundua Health Centre | 500 |
| | | 2. Kibirichia Sub-District Hospital | 2,320 |
| | | 3. Kiirua Health Centre | 650 |
| | | 4. Kimbo Dispensary | 50 |
| | | 5. Lewa Downs Dispensary | 450 |
| | | 6. Maritati Dispensary | 50 |
| | | 7. Mboroga dispensary | 250 |
| | | 8. Naari Health Centre | 265 |
| | | 9. Ngarendare Dispensary | 670 |
| | | 10. Ntiriti Dispensary | 15 |
| | | 11. Ontulili Dispensary | 450 |

| Antigen | Sub-County | Facilities | Total |
|---------|-------------------|---|-------|
| | | 12. Ruiru Rural Health Demonstration Centre | 1,625 |
| | | 13. St Theresa Hospital (Kiirua) | 1,665 |
| | | 14. Timau Sub-County Hospital | 2,535 |
| | 2. Igembe Central | 15. Kangeta health centre | 940 |
| | | 16. Kathelwa dispensary | 815 |
| | | 17. Kawiru Dispensary | 799 |
| | | 18. Kina Dispensary | 200 |
| | | 19. Muuru Dispensary | 625 |
| | | 20. Nkinyang'a dispensary | 50 |
| | | 21. Nthambiro Dispensary | 451 |
| | | 22. Thamare dispensary | 450 |
| | 3. Igembe North | 23. Thuuru dispensary | 200 |
| | | 24. Kaelo dispensary | 100 |
| | | 25. Kairuru Dispensary | 100 |
| | | 26. Kilera Dispensary | 50 |
| | | 27. Laare Health centre | 200 |
| | | 28. Mutuati sub county hospital | 3,650 |
| | 4. Igembe South | 29. Theere Health Centre | 170 |
| | | 30. Akachiu Health Centre | 1,060 |
| | | 31. Amwamba Dispensary | 650 |

| Antigen | Sub-County | Facilities | Total |
|---------|-------------------|---------------------------------|-------|
| | | 32. Antubochiu dispensary | 850 |
| | | 33. Kalamene Dispensary | 450 |
| | | 34. Kanthiari Dispensary | 750 |
| | | 35. Kiegoi Health Centre | 400 |
| | | 36. Kililii dispensary | 100 |
| | | 37. Kiraone dispensary | 2,650 |
| | | 38. Maua Methodist hospital | 300 |
| | | 39. Mutiokiyama Health Centre | 1,850 |
| | | 40. Nyambene district hospital | 4,190 |
| | 5. Imenti Central | 41. Cottolengo Mission Hospital | 200 |
| | | 42. Githongo District Hospital | 3,200 |
| | 6. Imenti North | 43. Chabuene dispensary | 800 |
| | | 44. Chugu dispensary | 700 |
| | | 45. Gakoromone dispensary | 1,700 |
| | | 46. Gankere dispensary | 800 |
| | | 47. Giaki Sub-District Hospital | 1,300 |
| | | 48. Igoki dispensary | 1,399 |
| | | 49. Kathithi dispensary | 1,100 |
| | | 50. Kianjuri dispensary | 2,300 |
| | | 51. Kiburine dispensary | 500 |

| Antigen | Sub-County | Facilities | Total |
|---------|-----------------|--|-------|
| | | 52. Kinoru dispensary | 2,300 |
| | | 53. Meru District hospital | 4,200 |
| | | 54. Ndiine dispensary | 200 |
| | | 55. Nthungu dispensary | 1,000 |
| | | 56. Runogone dispensary | 600 |
| | | 57. Rwanyange dispensary | 500 |
| | 7. Imenti South | 58. Consolata Mission Hospital (Nkubu) | 2,150 |
| | | 59. Gaatia Dispensary | 100 |
| | | 60. Ithimbari dispensary | 50 |
| | | 61. Kanyakine district hospital | 3,150 |
| | | 62. Kathigu Health centre | 800 |
| | | 63. Kiarago health centre | 200 |
| | | 64. Kinoro sub-district hospital | 1,450 |
| | | 65. Kirogine Dispensary | 100 |
| | | 66. Mikumbune sub-district hospital | 1,410 |
| | | 67. Mitunguu Dispensary | 300 |
| | | 68. Muutiokiama Health Centre | 1,115 |
| | | 69. Nkubu Dispensary | 150 |
| | | 70. St Ann Hospital | 1,300 |
| | | 71. Uruku GK dispensary | 100 |

| Antigen | Sub-County | Facilities | Total |
|-----------------------|--------------------|-------------------------------------|-------|
| | 8. Tigania Central | 72. Mulika Dispensary | 800 |
| | 9. Tigania East | 73. Karama dispensary | 680 |
| | | 74. Kiguchwa dispensary | 850 |
| | | 75. Kunati Health Centre | 1,600 |
| | | 76. Mikinduri Sub-District Hospital | 2,550 |
| | | 77. Muthara sub-district hospital | 2,650 |
| | | 78. St John of God hospital Tigania | 570 |
| | 10. Tigania West | 79. Kibiru dispensary | 200 |
| | | 80. Kimachia dispensary | 50 |
| | | 81. Kitheo dispensary | 200 |
| | | 82. Kunene health centre | 1,110 |
| | | 83. Limauru Dispensary | 100 |
| | | 84. Limoro Dispensary | 160 |
| | | 85. Mbeu sub-district hospital | 200 |
| | | 86. Miathene district hospital | 1,850 |
| | | 87. Mituntu Health Centre | 675 |
| | | 88. Mucuune dispensary | 500 |
| | | 89. Mutionjuri Health Centre | 150 |
| | | 90. Mweronkaga Health Centre | 430 |
| 91. Ncooro Dispensary | | 150 | |

| Antigen | Sub-County | Facilities | Total |
|--------------|-------------------|---|---------------|
| | | 92. Rei Dispensary | 150 |
| | | 93. St. Ann Kagaene Dispensary | 150 |
| | | 94. Uringu Health Centre | 125 |
| Total | | | 84,619 |
| 4. Moderna | 1. Buuri | 1. Kibirichia Sub-District Hospital | 420 |
| | | 2. Ontulili Dispensary | 378 |
| | | 3. Ruri Rural Health Demonstration Centre | 16 |
| | | 4. St Theresa Hospital (Kiirua) | 964 |
| | | 5. Timau Sub-County Hospital | 602 |
| | 2. Igembe North | 6. Mutuati sub county hospital | 1,400 |
| | 3. Igembe South | 7. Maua Methodist hospital | 200 |
| | | 8. Mutiokiana Health Centre | 75 |
| | | 9. Nyambene district hospital | 1,325 |
| | 4. Imenti Central | 10. Cottolengo Mission Hospital | 280 |
| | | 11. Githongo District Hospital | 1,330 |
| | 5. Imenti North | 12. Gakoromone dispensary | 350 |
| | | 13. Giaki Sub-District Hospital | 700 |
| | | 14. Kinoru dispensary | 602 |
| | | 15. Meru District hospital | 4,630 |
| | 6. Imenti South | 16. Consolata Mission Hospital (Nkubu) | 910 |

| Antigen | Sub-County | Facilities | Total |
|------------------------------|--------------------|-------------------------------------|-------|
| | | 17. Kanyakine district hospital | 2,030 |
| | | 18. Kinoro sub-district hospital | 770 |
| | | 19. Mikumbune sub-district hospital | 1,428 |
| | | 20. St Ann Hospital | 560 |
| | 7. Tigania Central | 21. Mulika Dispensary | 112 |
| | 8. Tigania East | 22. Kunati Health Centre | 126 |
| | | 23. Mikinduri Sub-District Hospital | 700 |
| | | 24. Muthara sub-district hospital | 588 |
| | | 25. St John of God hospital Tigania | 336 |
| | 9. Tigania West | 26. Kunene health centre | 308 |
| | | 27. Limoro Dispensary | 140 |
| | | 28. Mbeu sub-district hospital | 322 |
| | | 29. Miathene district hospital | 1,260 |
| 30. Mutionjuri Health Centre | | 140 | |
| 31. Mweronkaga Health Centre | | 350 | |
| Total | | 23,352 | |

Appendix 7(a)– Utilization at Meru County Facilities up to March 2022

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|---------|------------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| Moderna | Consolata Mission Hospital (Nkubu) | 910 | 822 | 0 | 0 | 0 | 0 | 0 | 88 |
| | Cottolengo Mission Hospital | 280 | 280 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Gakoromone dispensary | 350 | 326 | 0 | 0 | 0 | 0 | 42 | -18 |
| | Giaki Sub-District Hospital | 700 | 484 | 0 | 0 | 0 | 0 | 0 | 216 |
| | Githongo District Hospital | 1330 | 1403 | 0 | 0 | 0 | 0 | 0 | -73 |
| | Kanyakine district hospital | 2030 | 1876 | 0 | 0 | 0 | 0 | 94 | 60 |
| | Kibirichia Sub-District Hospital | 420 | 363 | 0 | 0 | 0 | 14 | 0 | 43 |
| | Kinoro sub-district hospital | 770 | 670 | 0 | 0 | 0 | 0 | 99 | 1 |
| | Kinoru dispensary | 602 | 426 | 0 | 0 | 0 | 0 | 0 | 176 |
| | Kunati Health Centre | 126 | 66 | 0 | 0 | 0 | 0 | 0 | 60 |
| | Kunene health centre | 308 | 229 | 0 | 20 | 0 | 20 | 0 | 59 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|---------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Limoro Dispensary | 140 | 9 | 0 | 0 | 0 | 0 | 0 | 131 |
| | Maua Methodist hospital | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| | Mbeu sub-district hospital | 322 | 234 | 0 | 0 | 0 | 30 | 10 | 48 |
| | Meru District hospital | 4630 | 4842 | 0 | 0 | 0 | 0 | 0 | -212 |
| | Miathene district hospital | 1260 | 921 | 0 | 0 | 0 | 0 | 0 | 339 |
| | Mikinduri Sub-District Hospital | 700 | 612 | 0 | 0 | 0 | 0 | 44 | 44 |
| | Mikumbune sub-district hospital | 1428 | 1341 | 0 | 0 | 0 | 0 | 52 | 35 |
| | Mulika Dispensary | 112 | 55 | 0 | 0 | 0 | 0 | 17 | 40 |
| | Muthara sub-district hospital | 588 | 250 | 0 | 0 | 0 | 0 | 0 | 338 |
| | Mutiokiana Health Centre | 75 | 45 | 0 | 0 | 0 | 0 | 30 | 0 |
| | Mutionjuri Health Centre | 140 | 20 | 0 | 0 | 0 | 0 | 57 | 63 |
| | Mutuati sub county hospital | 1400 | 1244 | 0 | 0 | 0 | 0 | 0 | 156 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|--------------------|--|---------------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|--------------|
| | Mweronkaga Health Centre | 350 | 95 | 0 | 0 | 0 | 0 | 45 | 210 |
| | Nyambene district hospital | 1325 | 796 | 0 | 15 | 0 | 15 | 0 | 514 |
| | Ontulili Dispensary | 378 | 368 | 0 | 0 | 0 | 0 | 0 | 10 |
| | Ruri Rural Health Demonstration Centre | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| | St Ann Hospital | 560 | 577 | 0 | 0 | 0 | 0 | 0 | -17 |
| | St John of God hospital Tigania | 336 | 26 | 0 | 0 | 0 | 0 | 0 | 310 |
| | St Theresa Hospital (Kiirua) | 964 | 946 | 0 | 0 | 0 | 0 | 6 | 12 |
| | Timau Sub-County Hospital | 602 | 576 | 0 | 0 | 0 | 0 | 0 | 26 |
| | Total | 23,352 | 19,902 | 0 | 35 | 0 | 79 | 496 | 2,875 |
| | | | | | | | | | |
| Astrazeneca | Akachiu Health Centre | 1578 | 1419 | 0 | 0 | 0 | 0 | 0 | 159 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|------------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Amwamba Dispensary | 2030 | 1934 | 0 | 120 | 0 | 120 | 136 | -160 |
| | Antubochiu dispensary | 2140 | 1635 | 0 | 20 | 0 | 20 | 220 | 265 |
| | Chabuene dispensary | 850 | 687 | 0 | 0 | 0 | 0 | 0 | 163 |
| | Chugu dispensary | 1300 | 1280 | 0 | 0 | 0 | 0 | 0 | 20 |
| | Consolata Mission Hospital (Nkubu) | 4740 | 4727 | 0 | 0 | 0 | 0 | 0 | 13 |
| | Cottolengo Mission Hospital | 2468 | 2750 | 0 | 0 | 0 | 0 | 0 | -282 |
| | Gaatia Dispensary | 50 | 4 | 0 | 40 | 6 | 40 | 0 | 0 |
| | Gakromone dispensary | 2680 | 2806 | 0 | 0 | 0 | 0 | 156 | -282 |
| | Gankere dispensary | 900 | 889 | 0 | 0 | 0 | 0 | 0 | 11 |
| | Giaki Sub-District Hospital | 6620 | 5866 | 0 | 0 | 0 | 0 | 0 | 754 |
| | Githongo District Hospital | 35552 | 38712 | 0 | 330 | 0 | 330 | 48 | -3538 |
| | Gundua Health Centre | 1350 | 1828 | 0 | 0 | 0 | 0 | 0 | -478 |
| | Igoki dispensary | 1080 | 999 | 0 | 70 | 0 | 70 | 0 | 11 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|----------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Ithimbari dispensary | 30 | 11 | 0 | 0 | 0 | 0 | 19 | 0 |
| | Kaelo dispensary | 400 | 806 | 60 | 50 | 0 | 0 | 0 | -456 |
| | Kairuru Dispensary | 370 | 663 | 0 | 0 | 0 | 0 | 0 | -293 |
| | Kalamene Dispensary | 1168 | 1237 | 0 | 0 | 0 | 0 | 0 | -69 |
| | Kangeta health centre | 8891 | 8378 | 0 | 0 | 0 | 0 | 0 | 513 |
| | Kani Karui dispensary | 800 | 673 | 0 | 0 | 0 | 0 | 0 | 127 |
| | Kanthiari Dispensary | 1900 | 1594 | 0 | 0 | 0 | 0 | 0 | 306 |
| | Kanyakine district hospital | 11490 | 11158 | 0 | 178 | 0 | 0 | 680 | -526 |
| | Karama dispensary | 2300 | 2113 | 0 | 0 | 0 | 0 | 80 | 107 |
| | Kathelwa dispensary | 3552 | 2915 | 0 | 70 | 0 | 70 | 0 | 567 |
| | Kathigu Health centre | 750 | 595 | 0 | 30 | 0 | 30 | 88 | 37 |
| | Kathithi dispensary | 1170 | 1239 | 0 | 0 | 0 | 0 | 0 | -69 |
| | Kawiru Dispensary | 1647 | 1406 | 0 | 0 | 0 | 0 | 0 | 241 |
| | Kianjuri dispensary | 3820 | 4285 | 0 | 130 | 0 | 130 | 0 | -595 |
| | Kiarago health centre | 440 | 410 | 0 | 40 | 0 | 0 | 15 | -25 |
| | Kibirichia Sub-District Hospital | 5900 | 7546 | 0 | 90 | 0 | 145 | 0 | -1791 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Kibiru dispensary | 200 | 172 | 0 | 40 | 0 | 40 | 0 | -12 |
| | Kiburine dispensary | 360 | 543 | 0 | 0 | 0 | 0 | 0 | -183 |
| | Kiegoi Health Centre | 630 | 405 | 0 | 120 | 0 | 0 | 143 | -38 |
| | Kiguchwa dispensary | 2950 | 2386 | 0 | 0 | 0 | 0 | 0 | 564 |
| | Kiirua Health Centre | 1050 | 371 | 0 | 0 | 0 | 0 | 0 | 679 |
| | Kilera Dispensary | 10 | 10 | 40 | 0 | 0 | 0 | 3 | -3 |
| | Kililii dispensary | 599 | 344 | 0 | 110 | 0 | 110 | 0 | 145 |
| | Kimachia dispensary | 400 | 261 | 0 | 0 | 0 | 0 | 0 | 139 |
| | Kimbo Dispensary | 150 | 24 | 0 | 0 | | 0 | | 126 |
| | Kina Dispensary | 1100 | 1223 | 0 | 0 | 0 | 0 | 0 | -123 |
| | Kinoro sub-district hospital | 5340 | 5463 | 0 | 30 | 0 | 30 | 149 | -675 |
| | Kinoru dispensary | 7630 | 7776 | 0 | 0 | 0 | 0 | 0 | -146 |
| | Kiraone dispensary | 2350 | 1448 | 0 | 0 | 0 | 0 | 0 | 902 |
| | Kitheo dispensary | 429 | 113 | 0 | 0 | 0 | 0 | 0 | 316 |
| | Kunati Health Centre | 3290 | 2605 | 0 | 150 | 0 | 160 | 0 | 535 |
| | Kunene health centre | 3330 | 2519 | 0 | 0 | 0 | 0 | 0 | 811 |
| | Laare Health centre | 100 | 993 | 60 | 0 | 0 | 0 | 0 | -893 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|---------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Lewa Downs Dispensary | 380 | 120 | 0 | 0 | 0 | 0 | 0 | 260 |
| | Limauru Dispensary | 250 | 32 | 0 | 0 | 0 | 0 | 72 | 146 |
| | Limoro Dispensary | 400 | 599 | 0 | 0 | 0 | 0 | 30 | -229 |
| | Maritati Dispensary | 110 | 14 | 0 | 50 | 0 | 50 | 39 | 7 |
| | Maua Methodist hospital | 2540 | 2820 | 0 | 0 | 0 | 0 | 0 | -280 |
| | Mbeu sub-district hospital | 2820 | 5152 | 0 | 0 | 0 | 0 | 0 | -2332 |
| | Mboroga dispensary | 630 | 713 | 0 | 0 | 0 | 0 | 0 | -83 |
| | Meru District hospital | 29594 | 31720 | 0 | 0 | 0 | 0 | 0 | -2126 |
| | Miathene district hospital | 8400 | 7039 | 0 | 0 | 0 | 0 | 0 | 1361 |
| | Mikinduri Sub-District Hospital | 6812 | 8272 | 20 | 20 | 0 | 0 | 162 | -1642 |
| | Mikumbune sub-district hospital | 5380 | 5368 | 0 | 0 | 0 | 0 | 0 | 12 |
| | Mitunguu Dispensary | 1900 | 1200 | 120 | 320 | 0 | 200 | 338 | -94 |
| | Mituntu Health Centre | 2820 | 2637 | 0 | 0 | 0 | 0 | 403 | -220 |
| | Mucuune dispensary | 1450 | 665 | 0 | 0 | 0 | 0 | 116 | 669 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|-------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Mulika Dispensary | 2010 | 2147 | 0 | 0 | 0 | 0 | 89 | -226 |
| | Muthara sub-district hospital | 8514 | 6616 | 0 | 60 | 0 | 60 | 0 | 1838 |
| | Mutiokiana Health Centre | 1498 | 1164 | 0 | 0 | 0 | 0 | 127 | 207 |
| | Mutionjuri Health Centre | 2100 | 996 | 0 | 260 | 0 | 260 | 432 | 412 |
| | Mutuati sub county hospital | 16221 | 15056 | 0 | 0 | 0 | 0 | 0 | 1165 |
| | Muuru Dispensary | 5828 | 5011 | 0 | 0 | 0 | 0 | 0 | 817 |
| | Muutiokiana Health Centre | 1050 | 671 | 0 | 0 | 0 | 50 | 8 | -298 |
| | Mweronkaga Health Centre | 1900 | 1601 | 0 | 100 | 0 | 100 | 301 | -102 |
| | Naari Health Centre | 640 | 903 | 0 | 0 | 0 | 0 | 0 | -263 |
| | Ncooro Dispensary | 600 | 210 | 0 | 0 | 0 | 0 | 39 | 351 |
| | Ndiine dispensary | 260 | 676 | 0 | 20 | 0 | 20 | 0 | -436 |
| | Ngarendare Dispensary | 450 | 187 | 0 | 20 | 0 | 20 | 0 | 243 |
| | Nkinyang'a dispensary | 270 | 125 | 0 | 80 | 0 | 80 | 0 | 65 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|---|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Nkubu Dispensary | 390 | 242 | 0 | 0 | 0 | 0 | 42 | 106 |
| | Nthambiro Dispensary | 3004 | 2863 | 0 | 140 | 0 | 140 | 0 | 1 |
| | Nthare Catholic Health Centre | 2100 | 1889 | 0 | 0 | 0 | 0 | 0 | 211 |
| | Nthungu dispensary | 950 | 642 | 0 | 0 | 0 | 0 | 0 | 308 |
| | Ntirimiti Dispensary | 10 | 3 | 0 | 0 | 0 | 0 | 7 | 0 |
| | Nyambene district hospital | 11971 | 10882 | 0 | 50 | 0 | 50 | 3376 | -2337 |
| | Ontulili Dispensary | 2000 | 1803 | 0 | 70 | 0 | 70 | 0 | 127 |
| | Rei Dispensary | 400 | 168 | 0 | 0 | 0 | 0 | 0 | 232 |
| | Ruiri Rural Health Demonstration Centre | 3000 | 2889 | 0 | 60 | 0 | 60 | 0 | 51 |
| | Runogone dispensary | 1400 | 1349 | 0 | 0 | 0 | 0 | 14 | 37 |
| | Rwanyange dispensary | 640 | 548 | 0 | 1 | 0 | 0 | 0 | 91 |
| | St Ann Hospital | 3430 | 3731 | 0 | 0 | 0 | 0 | 0 | -301 |
| | St John of God hospital Tigania | 2434 | 1751 | 0 | 60 | 0 | 60 | 0 | 623 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|--------|------------------------------|----------------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|---------------|
| | St Theresa Hospital (Kiirua) | 7534 | 7461 | 0 | 0 | 0 | 0 | 298 | -225 |
| | St. Ann Kagaene Dispensary | 1100 | 789 | 0 | 0 | 0 | 0 | 241 | 70 |
| | Thamare dispensary | 3447 | 2702 | 0 | 370 | 0 | 370 | 0 | 375 |
| | Theere Health Centre | 400 | 386 | 30 | 100 | 0 | 100 | 0 | -86 |
| | Thuuru dispensary | 650 | 428 | 0 | 0 | 0 | 0 | 0 | 222 |
| | Timau Sub-County Hospital | 9160 | 9967 | 0 | 0 | 0 | 0 | 0 | -807 |
| | Uringu Health Centre | 640 | 237 | 0 | 0 | 0 | 0 | 42 | 361 |
| | Total | 297,371 | 289,665 | 350 | 3,399 | 6 | 2,985 | 7,913 | -4,845 |
| | | | | | | | | | |
| Pfizer | Akachiu Health Centre | 1398 | 1309 | 0 | -30 | 0 | 0 | 0 | 119 |
| | Amwamba Dispensary | 1176 | 668 | 0 | 66 | 0 | 66 | 428 | 14 |
| | Antubochiu dispensary | 1026 | 992 | 30 | 30 | 0 | 30 | 147 | -143 |
| | Chabuene dispensary | 708 | 770 | 30 | 60 | 0 | 72 | 0 | -122 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|------------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Chugu dispensary | 300 | 513 | 0 | -60 | 0 | 0 | 0 | -153 |
| | Consolata Mission Hospital (Nkubu) | 5640 | 4626 | 36 | -414 | 0 | 0 | 0 | 1428 |
| | Cottolengo Mission Hospital | 1464 | 1445 | 0 | 0 | 0 | 0 | 0 | 19 |
| | Gaatia Dispensary | 60 | 4 | 0 | 54 | 0 | 54 | 2 | 0 |
| | Gakoromone dispensary | 1512 | 1259 | 6 | 6 | 0 | 180 | 122 | 125 |
| | Gankere dispensary | 180 | 113 | 0 | 50 | 0 | 50 | 0 | 17 |
| | Giaki Sub-District Hospital | 1170 | 469 | 0 | -120 | 0 | 0 | 9 | 812 |
| | Githongo District Hospital | 31296 | 30423 | 192 | 1114 | 0 | 1050 | 222 | -352 |
| | Gundua Health Centre | 480 | 419 | 42 | 60 | 0 | 66 | 0 | -47 |
| | Igoki dispensary | 330 | 248 | 0 | 0 | 0 | 0 | 0 | 82 |
| | Ithimbari dispensary | 60 | 93 | 60 | 120 | 0 | 0 | 0 | -153 |
| | Kaelo dispensary | 1170 | 2265 | 0 | 102 | 0 | 102 | 0 | -1197 |
| | Kairuru Dispensary | 290 | 1230 | 0 | 0 | 0 | 0 | 0 | -940 |
| | Kangeta health centre | 6843 | 6444 | 12 | -18 | 0 | 0 | 0 | 417 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|----------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Kani Karui dispensary | 30 | 1 | 0 | 0 | 0 | 0 | 0 | 29 |
| | Kanthiari Dispensary | 492 | 549 | 0 | 36 | 0 | 36 | 0 | -93 |
| | Kanyakine district hospital | 9866 | 10775 | 0 | -431 | 0 | 0 | 0 | -2215 |
| | Karama dispensary | 2214 | 992 | 54 | 54 | 0 | 0 | 60 | 1108 |
| | Kathelwa dispensary | 2518 | 2676 | 30 | -156 | 0 | 24 | 0 | -2 |
| | Kathigu Health centre | 1482 | 1399 | 120 | -4 | 0 | 54 | 0 | 87 |
| | Kathithi dispensary | 852 | 794 | 0 | -102 | 0 | 0 | 0 | 160 |
| | Kawiru Dispensary | 1898 | 1237 | 30 | -106 | 0 | 30 | 0 | 767 |
| | Kianjuri dispensary | 550 | 1566 | 36 | 96 | 0 | 198 | 0 | -1112 |
| | Kiarago health centre | 1746 | 1986 | 60 | 239 | 0 | 0 | 0 | -479 |
| | Kibirichia Sub-District Hospital | 1252 | 1082 | 42 | 321 | 0 | 292 | 0 | -191 |
| | Kibiru dispensary | 720 | 442 | 0 | 72 | 0 | 72 | 48 | 158 |
| | Kiburine dispensary | 540 | 686 | 6 | 28 | 0 | 18 | 0 | -174 |
| | Kiegoi Health Centre | 302 | 20 | 206 | 206 | 0 | 0 | 73 | 3 |
| | Kiguchwa dispensary | 990 | 861 | 48 | 48 | 0 | 0 | 0 | 81 |
| | Kiirua Health Centre | 636 | 554 | 18 | 48 | 0 | 0 | 0 | 34 |
| | Kililii dispensary | 120 | 5 | 0 | 90 | 0 | 90 | 0 | 25 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Kimachia dispensary | 720 | 12 | 0 | 60 | 0 | 60 | 0 | 648 |
| | Kimbo Dispensary | 150 | 40 | 0 | 0 | | 0 | | 110 |
| | Kina Dispensary | 1410 | 549 | 0 | -150 | 0 | 0 | 0 | 1011 |
| | Kinoro sub-district hospital | 3234 | 3144 | 78 | -131 | 0 | 0 | 142 | 79 |
| | Kinoru dispensary | 4026 | 3152 | 156 | 144 | 0 | 228 | 0 | 730 |
| | Kiraone dispensary | 2546 | 1735 | 20 | 18 | 0 | 18 | 0 | 793 |
| | Kitheo dispensary | 540 | 17 | 0 | 0 | 0 | 0 | 0 | 523 |
| | Kunati Health Centre | 1698 | 1557 | 0 | 570 | 0 | 570 | 0 | -429 |
| | Kunene health centre | 1500 | 1485 | 0 | 102 | 0 | 0 | 0 | -87 |
| | Laare Health centre | 1170 | 1980 | 0 | 0 | 0 | 0 | 0 | -810 |
| | Lewa Downs Dispensary | 330 | 138 | 18 | 36 | 0 | 0 | 0 | 156 |
| | Limauru Dispensary | 300 | 58 | 0 | 99 | 0 | 96 | 54 | 89 |
| | Limoro Dispensary | 270 | 1066 | 0 | 2 | 0 | 0 | 0 | -798 |
| | Maritati Dispensary | 90 | 28 | 18 | 41 | 0 | 36 | 18 | 3 |
| | Maua Methodist hospital | 96 | 104 | 0 | 0 | 0 | 0 | 0 | -8 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|---------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Mbeu sub-district hospital | 5250 | 3401 | 0 | 0 | 0 | 978 | 0 | 871 |
| | Mboroga dispensary | 696 | 742 | 18 | 48 | 0 | 0 | 0 | -94 |
| | Meru District hospital | 7028 | 6866 | 168 | -288 | 0 | 264 | 0 | 450 |
| | Miathene district hospital | 7950 | 3009 | 0 | 390 | 0 | 0 | 0 | 4551 |
| | Mikinduri Sub-District Hospital | 5832 | 5828 | 168 | 842 | 0 | 504 | 81 | -919 |
| | Mikumbune sub-district hospital | 4998 | 4868 | 36 | -9 | 0 | 0 | 0 | 139 |
| | Mitunguu Dispensary | 2460 | 2392 | 96 | -76 | 0 | 0 | 0 | 144 |
| | Mituntu Health Centre | 1506 | 1922 | 0 | 46 | 0 | 42 | 16 | -478 |
| | Mucuune dispensary | 1086 | 1175 | 0 | 300 | 0 | 300 | 124 | -513 |
| | Mulika Dispensary | 342 | 632 | 0 | 0 | 0 | 0 | 0 | -290 |
| | Muthara sub-district hospital | 4302 | 5201 | 72 | 98 | 0 | 26 | 0 | -997 |
| | Mutiokiana Health Centre | 4440 | 2365 | 32 | 1028 | 0 | 1038 | 50 | 997 |
| | Mutionjuri Health Centre | 2298 | 1389 | 0 | 0 | 0 | 0 | 402 | 507 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|-----------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Mutuati sub county hospital | 9130 | 10614 | 0 | 0 | 0 | 0 | 0 | -1484 |
| | Muuru Dispensary | 5625 | 4922 | 0 | 153 | 0 | 132 | 0 | 550 |
| | Muutiokiamama Health Centre | 1516 | 1201 | 60 | 30 | 0 | 60 | 0 | 285 |
| | Mweronkaga Health Centre | 1420 | 2085 | 0 | 78 | 0 | 78 | 127 | -870 |
| | Naari Health Centre | 180 | 249 | 24 | 42 | 0 | 0 | 0 | -111 |
| | Ncooro Dispensary | 426 | 136 | 0 | 0 | 0 | 0 | 36 | 254 |
| | Ngarendare Dispensary | 276 | 154 | 18 | 36 | 0 | 0 | 0 | 86 |
| | Nkinyang'a dispensary | 150 | 28 | 42 | -18 | 0 | 0 | 0 | 140 |
| | Nkubu Dispensary | 1728 | 1683 | 18 | -110 | 0 | 0 | 0 | 155 |
| | Nthambiro Dispensary | 2621 | 1757 | 0 | 107 | 0 | 102 | 0 | 757 |
| | Nthungu dispensary | 920 | 757 | 60 | 120 | 0 | 60 | 0 | 43 |
| | Nyambene district hospital | 4776 | 4136 | 36 | 1194 | 0 | 1332 | 221 | -775 |
| | Ontulili Dispensary | 510 | 390 | 66 | -2 | 0 | 0 | 0 | 122 |
| | Rei Dispensary | 540 | 287 | 0 | 0 | 0 | 0 | 0 | 253 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|---|---------------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Ruiru Rural Health Demonstration Centre | 520 | 682 | 18 | 66 | 0 | 24 | 0 | -228 |
| | Runogone dispensary | 1612 | 1124 | 36 | -24 | 0 | 0 | 25 | 487 |
| | Rwanyange dispensary | 204 | 161 | 0 | 18 | 0 | 18 | 0 | 25 |
| | St Ann Hospital | 1386 | 1454 | 0 | 0 | 0 | 0 | 44 | -112 |
| | St John of God hospital Tigania | 732 | 1092 | 18 | 90 | 0 | 72 | 0 | -450 |
| | St Theresa Hospital (Kiirua) | 3848 | 2616 | 90 | 330 | 0 | 192 | 967 | -65 |
| | St. Ann Kagaene Dispensary | 542 | 893 | 0 | 0 | 0 | 0 | 66 | -417 |
| | Thamare dispensary | 2308 | 2468 | 60 | -9 | 0 | 30 | 0 | -151 |
| | Theere Health Centre | 1530 | 1140 | 0 | 150 | 0 | 150 | 0 | 240 |
| | Thuuru dispensary | 198 | 264 | 0 | 0 | 0 | 0 | 0 | -66 |
| | Timau Sub-County Hospital | 7056 | 6248 | 84 | 150 | 0 | 0 | 0 | 658 |
| | Uringu Health Centre | 180 | 287 | 0 | 0 | 0 | 0 | 36 | -143 |
| | Uruku GK dispensary | 120 | 27 | 12 | -52 | 0 | 0 | 0 | 145 |
| | Total | 197633 | 180625 | 2530 | 6978 | 0 | 8894 | 3520 | 3818 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|--------|------------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| Jansen | Akachiu Health Centre | 1060 | 1030 | 50 | 50 | 0 | 0 | 9 | -29 |
| | Amwamba Dispensary | 650 | 634 | 0 | 0 | 0 | 0 | 12 | 4 |
| | Antubochiu dispensary | 850 | 1189 | 0 | 0 | 0 | 0 | 0 | -339 |
| | Chabuene dispensary | 800 | 713 | 230 | 230 | 0 | 0 | 0 | -143 |
| | Chugu dispensary | 700 | 575 | 0 | 0 | 0 | 0 | 0 | 125 |
| | Consolata Mission Hospital (Nkubu) | 2150 | 2460 | 0 | 0 | 0 | 0 | 0 | -310 |
| | Cottolengo Mission Hospital | 200 | 240 | 0 | 0 | 0 | 0 | 0 | -40 |
| | Gaatia Dispensary | 100 | 6 | 0 | 95 | 0 | 95 | 0 | -1 |
| | Gakoromone dispensary | 1700 | 1937 | 205 | 205 | 0 | 0 | 29 | -471 |
| | Gankere dispensary | 800 | 559 | 285 | 285 | 0 | 0 | 6 | -50 |
| | Giaki Sub-District Hospital | 1300 | 393 | 0 | 0 | 0 | 0 | 1 | 906 |
| | Githongo District Hospital | 3200 | 1696 | 305 | 323 | 0 | 0 | 81 | -100 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|-----------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Gundua Health Centre | 500 | 866 | 50 | 65 | 10 | 0 | 0 | -441 |
| | Igoki dispensary | 1399 | 1438 | 105 | 105 | 0 | 0 | 0 | -144 |
| | Ithimbari dispensary | 50 | 14 | 35 | 35 | 0 | 0 | 0 | 1 |
| | Kaelo dispensary | 100 | 686 | 10 | 10 | 0 | 0 | 0 | -596 |
| | Kairuru Dispensary | 100 | 609 | 0 | 0 | 0 | 0 | 0 | -509 |
| | Kalamene Dispensary | 450 | 484 | 0 | 0 | 0 | 0 | 0 | -34 |
| | Kangeta health centre | 940 | 1074 | 0 | 0 | 0 | 0 | 0 | -134 |
| | Kanthiari Dispensary | 750 | 1049 | 0 | 0 | 0 | 0 | 0 | -299 |
| | Kanyakine district hospital | 3150 | 3020 | 0 | 0 | 0 | 0 | 445 | -315 |
| | Karama dispensary | 680 | 371 | 0 | 0 | 0 | 0 | 80 | 229 |
| | Kathelwa dispensary | 815 | 725 | 35 | 35 | 0 | 0 | 0 | 55 |
| | Kathigu Health centre | 800 | 791 | 0 | 110 | 0 | 110 | 24 | -279 |
| | Kathithi dispensary | 1100 | 893 | 225 | 226 | 0 | 0 | 0 | -19 |
| | Kawiru Dispensary | 799 | 320 | 0 | 20 | 0 | 20 | 0 | 459 |
| | Kianjuri dispensary | 2300 | 1918 | 305 | 305 | 0 | 0 | 0 | 77 |
| | Kiarago health centre | 200 | 132 | 0 | 75 | 0 | 0 | 0 | -7 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|----------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Kibirichia Sub-District Hospital | 2320 | 2997 | 0 | 65 | 0 | 65 | 0 | -742 |
| | Kibiru dispensary | 200 | 122 | 40 | 50 | 0 | 10 | 10 | 18 |
| | Kiburine dispensary | 500 | 988 | 35 | 35 | 0 | 0 | 0 | -523 |
| | Kiegoi Health Centre | 400 | 181 | 100 | 100 | 0 | 0 | 121 | -2 |
| | Kiguchwa dispensary | 850 | 656 | 130 | 130 | 0 | 0 | 0 | 64 |
| | Kiirua Health Centre | 650 | 353 | 0 | 0 | 0 | 0 | 0 | 297 |
| | Kilera Dispensary | 50 | 9 | 40 | 40 | 0 | 0 | 4 | 0 |
| | Kililii dispensary | 100 | 65 | 0 | 55 | 0 | 55 | 0 | -20 |
| | Kimachia dispensary | 50 | 16 | 0 | 0 | 0 | 0 | 0 | 34 |
| | Kimbo Dispensary | 50 | 17 | 0 | 0 | | 0 | | 33 |
| | Kina Dispensary | 200 | 36 | 40 | 45 | 0 | 0 | 0 | 119 |
| | Kinoro sub-district hospital | 1450 | 867 | 0 | 0 | 0 | 0 | 168 | 55 |
| | Kinoru dispensary | 2300 | 2155 | 110 | 110 | 0 | 0 | 0 | 35 |
| | Kiraone dispensary | 2650 | 1224 | 20 | 20 | 0 | 0 | 0 | 1406 |
| | Kirogine Dispensary | 100 | 5 | 55 | 55 | 0 | 0 | 0 | 40 |
| | Kitheo dispensary | 200 | 6 | 175 | 175 | 0 | 0 | 0 | 19 |
| | Kunati Health Centre | 1600 | 1446 | 265 | -335 | 0 | 0 | 0 | 489 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|---------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Kunene health centre | 1110 | 602 | 0 | 200 | 0 | 0 | 0 | 308 |
| | Laare Health - | 200 | 1056 | 60 | 60 | 0 | 0 | 0 | -916 |
| | Lewa Downs Dispensary | 450 | 419 | 50 | 40 | 0 | 0 | 0 | -9 |
| | Limauru Dispensary | 100 | 2 | 30 | 31 | 0 | 0 | 0 | 67 |
| | Limoro Dispensary | 160 | 193 | 30 | 31 | 0 | 0 | 0 | -64 |
| | Maritati Dispensary | 50 | 7 | 20 | 22 | 0 | 0 | 25 | -4 |
| | Maua Methodist hospital | 300 | 344 | 0 | 0 | 0 | 0 | 0 | -44 |
| | Mbeu sub-district hospital | 200 | 1087 | 30 | 30 | 0 | 0 | 0 | -917 |
| | Mboroga dispensary | 250 | 590 | 5 | 5 | 0 | 0 | 0 | -345 |
| | Meru District hospital | 4200 | 4923 | 0 | 0 | 0 | 0 | 0 | -723 |
| | Miathene district hospital | 1850 | 814 | 0 | 0 | 0 | 0 | 0 | 1036 |
| | Mikinduri Sub-District Hospital | 2550 | 2336 | 685 | 685 | 0 | 0 | 12 | -483 |
| | Mikumbune sub-district hospital | 1410 | 964 | 0 | 0 | 0 | 0 | 0 | 446 |
| | Mitunguu Dispensary | 300 | 277 | 0 | 0 | 0 | 0 | 0 | 23 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|-------------------------------|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Mituntu Health Centre | 675 | 579 | 280 | 281 | 0 | 0 | 106 | -291 |
| | Mucuune dispensary | 500 | 437 | 70 | 70 | 0 | 0 | 32 | -39 |
| | Mulika Dispensary | 800 | 860 | 240 | 240 | 0 | 0 | 0 | -300 |
| | Muthara sub-district hospital | 2650 | 3150 | 275 | 275 | 0 | 0 | 0 | -775 |
| | Mutiokiana Health Centre | 1850 | 1943 | 5 | 0 | 0 | 0 | 0 | -93 |
| | Mutionjuri Health Centre | 150 | 335 | 150 | 150 | 0 | 0 | 14 | -349 |
| | Mutuati sub county hospital | 3650 | 4059 | 0 | 0 | 0 | 0 | 0 | -409 |
| | Muuru Dispensary | 625 | 572 | 0 | 1 | 0 | 0 | 0 | 52 |
| | Muutiokiana Health Centre | 1115 | 972 | 0 | 5 | 0 | 0 | 0 | 138 |
| | Mweronkaga Health Centre | 430 | 432 | 50 | 50 | 0 | 0 | 58 | -110 |
| | Naari Health Centre | 265 | 539 | 10 | 10 | 0 | 0 | 0 | -284 |
| | Ncooro Dispensary | 150 | 64 | 0 | 0 | 0 | 0 | 0 | 86 |
| | Ndiine dispensary | 200 | 164 | 0 | 1 | 0 | 0 | 0 | 35 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|---|----------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|-------------|
| | Ngarendare Dispensary | 670 | 649 | 15 | 15 | 0 | 0 | 0 | 6 |
| | Nkinyang'a dispensary | 50 | 0 | 50 | 50 | 0 | 0 | 0 | 0 |
| | Nkubu Dispensary | 150 | 108 | 0 | 0 | 0 | 0 | 0 | 42 |
| | Nthambiro Dispensary | 451 | 745 | 45 | 50 | 0 | 0 | 0 | -344 |
| | Nthungu dispensary | 1000 | 778 | 195 | 195 | 0 | 0 | 0 | 27 |
| | Ntirititi Dispensary | 15 | 0 | 10 | 10 | 0 | 0 | 4 | 1 |
| | Nyambene district hospital | 4190 | 3417 | 0 | 0 | 0 | 0 | 1120 | -347 |
| | Ontulili Dispensary | 450 | 947 | 27 | 29 | 0 | 0 | 0 | -526 |
| | Rei Dispensary | 150 | 198 | 0 | 1 | 0 | 0 | 0 | -49 |
| | Ruiru Rural Health Demonstration Centre | 1625 | 2362 | 0 | 0 | 0 | 0 | 0 | -737 |
| | Runogone dispensary | 600 | 505 | 385 | 385 | 0 | 0 | 4 | -294 |
| | Rwanyange dispensary | 500 | 153 | 350 | 350 | 10 | 0 | 0 | -13 |
| | St Ann Hospital | 1300 | 1482 | 0 | 0 | 0 | 0 | 0 | -182 |

| Batch | Facilities | Received | Vaccinations Administered | Not Expired/in-stock | Total Physical Count | Damaged and disposed (Qty) | Total Expired | Wastage and disposed (Qty) | Unexplained |
|-------|---------------------------------|----------------|---------------------------|----------------------|----------------------|----------------------------|---------------|----------------------------|---------------|
| | St John of God hospital Tigania | 570 | 485 | 95 | 95 | 0 | 0 | 0 | -10 |
| | St Theresa Hospital (Kiirua) | 1665 | 1868 | 150 | 150 | 0 | 0 | 0 | -353 |
| | St. Ann Kagaene Dispensary | 150 | 96 | 0 | 0 | 0 | 0 | 43 | 11 |
| | Thamare dispensary | 450 | 304 | 0 | 0 | 0 | 0 | 0 | 146 |
| | Theere Health Centre | 170 | 823 | 30 | 30 | 0 | 0 | 0 | -683 |
| | Thuuru dispensary | 200 | 122 | 0 | 0 | 0 | 0 | 0 | 78 |
| | Timau Sub-County Hospital | 2535 | 2661 | 0 | 0 | 0 | 0 | 0 | -126 |
| | Uringu Health Centre | 125 | 67 | 45 | 45 | 0 | 0 | 45 | -32 |
| | Uruku GK dispensary | 100 | 31 | 0 | 0 | 0 | 0 | 0 | 69 |
| | Total | 84,619 | 82,486 | 6,300 | 6,311 | 20 | 355 | 2,453 | -8,362 |
| | Sub-total | 602,975 | 572,678 | 9,180 | 16,723 | 26 | 12,313 | 14,271 | -6,514 |

Appendix 7(b)- Utilization at Sub County Stores up to 31 March, 2022

| Batch | Sub-County | Received | Dispatched | Administered Vaccines | Total Physical Count | Not Expired/In-stock | Expired | Expired and Disposed (Qty) | Damage and disposed (Qty) | Wastage and disposed (Qty) | Total Expired | Total Unexplained |
|---------|----------------|-------------|-------------|-----------------------|----------------------|----------------------|----------|----------------------------|---------------------------|----------------------------|---------------|-------------------|
| Moderna | Tigania west | 420 | 420 | 25 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | -3 |
| | Tigania east | 280 | 280 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Imenti north | 980 | 980 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Imenti central | 1750 | 1750 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Buuri | 2380 | 2380 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Igembe central | 1960 | 0 | 1484 | 1484 | 0 | 0 | 0 | 0 | 0 | 0 | 476 |
| | Igembe north | 1400 | 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Igembe south | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Totals | 9170 | 7210 | 1603 | 1487 | 0 | 0 | 0 | 0 | 0 | 0 | 473 |
| | | | | | | | | | | | | |
| Pfizer | Tigania west | 25740 | 22908 | 356 | 2246 | 264 | 1524 | 0 | 0 | 0 | 1524 | 586 |
| | Tigania east | 17550 | 13770 | 9 | 63 | 0 | 102 | 0 | 0 | 0 | 102 | 3717 |
| | Imenti south | 14040 | 16488 | 12 | 1572 | 192 | 1380 | 0 | 0 | 0 | 1380 | -4020 |

| | | | | | | | | | | | | |
|--------------------|----------------|---------------|---------------|-------------|--------------|-------------|-------------|----------|----------|----------|-------------|------------|
| | Imenti north | 19890 | 19092 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 798 |
| | Imenti central | 32760 | 32760 | 7 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | -300 |
| | Buuri | 17550 | 16066 | | 642 | 0 | 0 | 0 | 0 | 0 | 0 | 842 |
| | Igembe central | 29304 | 24177 | 1199 | 3404 | 0 | 1824 | 0 | 0 | 0 | 1824 | 1723 |
| | Igembe north | 14040 | 14002 | 184 | 1514 | 198 | 966 | 0 | 0 | 0 | 966 | -1476 |
| | Igembe south | 14040 | 14002 | 488 | 1514 | 198 | 966 | 0 | 0 | 0 | 966 | -1476 |
| | | | | | | | | | | | | |
| | Totals | 184914 | 173265 | 2255 | 11255 | 1152 | 6762 | 0 | 0 | 0 | 6762 | 394 |
| Astrazeneca | Tigania west | 19230 | 20759 | 469 | 1262 | 0 | 850 | 0 | 0 | 0 | 850 | -2791 |
| | Tigania east | 21300 | 20010 | 64 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 1279 |
| | Imenti south | 9000 | 8650 | 14 | 576 | 0 | 550 | 0 | 0 | 0 | 550 | -226 |
| | Imenti north | 28900 | 28440 | 7 | 5510 | 510 | 5000 | 0 | 0 | 0 | 5000 | -5050 |
| | Imenti central | 38020 | 38020 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Buuri | 35320 | 33400 | | 400 | 0 | 400 | 0 | 0 | 0 | 400 | 1520 |
| | Igembe central | 39580 | 31829 | 6933 | 7173 | 0 | 660 | 1270 | 0 | 0 | 1930 | -692 |
| | Igembe north | 19600 | 16730 | 698 | 2867 | 0 | 2170 | 170 | 0 | 0 | 2340 | -167 |
| | Igembe south | 16700 | 18798 | 889 | 728 | 0 | 80 | 0 | 0 | 0 | 80 | -2826 |
| | | | | | | | | | | | | |

| | Totals | 227650 | 216636 | 9084 | 18527 | 510 | 9710 | 1440 | 0 | 0 | 11150 | -8953 | |
|----------------|----------------------------|----------------|----------------|---------------|---------------|--------------|---------------|--------------|----------|----------|---------------|-----------------|---------------|
| Jansen | Tigania west | 10200 | 6000 | 169 | 3209 | 2840 | 0 | 0 | 0 | 0 | 0 | 991 | |
| | Tigania east | 12500 | 9900 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 2591 | |
| | Imenti south | 2500 | 3375 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | -925 | |
| | Imenti north | 21300 | 18199 | 0 | 323 | 323 | 0 | 0 | 0 | 0 | 0 | 2778 | |
| | Imenti central | 2200 | 3400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1200 | |
| | Buuri | 15200 | 11495 | 1 | 910 | 910 | 0 | 0 | 0 | 0 | 0 | 2795 | |
| | Igembe central | 6150 | 4530 | 440 | 1100 | 610 | 0 | 0 | 0 | 0 | 0 | 520 | |
| | Igembe north | 9100 | 4270 | 78 | 983 | 905 | 0 | 0 | 0 | 0 | 0 | 3847 | |
| | Igembe south | 13500 | 13100 | 681 | 1625 | 950 | 0 | 0 | 0 | 0 | 0 | -1225 | |
| | | | | | | | | | | | | | |
| | | Totals | 92,650 | 74,269 | 1,378 | 8,209 | 6,538 | 0 | 0 | 0 | 0 | 0 | 10,172 |
| | Subtotal | 514,384 | 471,380 | 14,320 | 39,478 | 8,200 | 16,472 | 1,440 | 0 | 0 | 17,912 | 2,086 | |
| Overall | -ve Variance (loss) | | | | | | | | | | | 9,370 | |
| Overall | + Variance(gain) | | | | | | | | | | | (13,798) | |

Appendix 8: Disposal at Sub County Level – Meru County

| Subcounty | D1 | D2 | D3 | D4 | D5 | D6 | D7 |
|---------------------|----------|----------|----------|----------|----------|----------|----------|
| Buuri | No | No | N/a | No | Yes | No | No |
| Igembe central | No | No | N/a | No | No | No | No |
| Igembe north | No | No | N/a | No | No | No | No |
| Igembe south | No | No | N/a | No | No | No | No |
| Imenti central | No | No | N/a | No | No | No | No |
| Imenti north | No | No | N/a | No | No | No | No |
| Imenti south | No | No | N/a | No | No | No | No |
| Tigania east | No | No | N/a | No | No | No | No |
| Tigania west | No | No | N/a | No | No | No | No |
| Complied | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Not complied | 9 | 9 | 0 | 9 | 9 | 9 | 9 |

KEY/DETAILS:

✓ Yes

X - No

D1 Was waste management plan developed at either the National and/or County level?

- D2 Was there a budget developed for disposal of COVID19 waste? (Compare actual with the budget and Report under observation if the budget was adequate or not)
- D3 Did COVID19 waste transported from one county to another have clearance from NEMA?
- D4 Were disposed vaccine vials recorded and accounted for in the vaccine inventory report?
- D5 Did the County/Store fill any application form for disposal of pharmaceutical waste issued by the Pharmacy and Poisons Board in compliance with the Guidelines for safe management of pharmaceutical waste?
- D6 Are the disposals done at a NEMA approved pharmaceutical disposal site in compliance with the Guidelines for safe management of pharmaceutical waste
- D7 Was disposal of pharmaceutical waste supervised by a Pharmacy and Poisons Board inspector OR Public Health Officer in compliance with the Guidelines for safe management of pharmaceutical waste?

Appendix 9: Disposal at Facility Level – MERU County

| Sub-county | facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|----------------|----------------------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| Buuri | Baibariu dispensary | No | No | No | No | No | No | No | Yes | Yes | Yes | Yes | No |
| | Gundua health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kibirichia subdistrict hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kiirua health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Lewa downs dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mboroga dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Naari dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Ngarendare dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Ontulili health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Ruiri rural demonstration centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | St. Teresa hospital (kiirua) | No | No | No | No | No | No | No | No | Yes | Yes | Yes | No |
| | Timau subcounty hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Maritati dispensary | No | No | No | No | No | No | No | No | Yes | Yes | Yes | No |
| | Ntirititi dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kimbo dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| Igembe central | Antubetwe njoune dispensary | No | No | No | No | No | No | No | No | Yes | Yes | Yes | No |

| Sub-county | facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|------------|-------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| | Athiru Runjiine dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Nthare catholic health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kalimbene dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kangeta health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kani karui dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kathelwa dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kawiru dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kiiliii dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kina dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Machungulu dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Muuru dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Nkinyang'a dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Nthambiro health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Rwanyange dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Thamare dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Thumbereria dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Thuuru dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Rwanyange dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |

| Sub-county | facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|--------------|-----------------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | Kalimbene dispensary | No | No | No | No | No | No | No | Yes | Yes | Yes | Yes | No |
| Igembe north | K.k etama dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kaelo dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kairuru dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Laare Health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Muromutua Dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kilera Dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mutuati sub county hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Theera heath centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| Igembe south | Akachiu health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Amwamba dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Antubochiu dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kalamene health facility | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kanthiari dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kiegoi health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kiraone dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Maua Methodist hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |

| Sub-county | facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|----------------|-----------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| | Mutiokiana health facility | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Nyambose district hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| Imenti central | Cotolengo mission hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Gatimbi health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Githongo subcounty hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mwanika dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kaongo dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| Imenti north | Chabuene dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Gakoromone dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Gankere dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Giaki Subcounty hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Igoki dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | kathiranga dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kathithi dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kianjuri dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kiburine dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |

| Sub-county | facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|--------------|----------------------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | Kinoru dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Meru district hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Ndiine dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Nkubu GK dispensary | No | No | No | No | No | No | No | Yes | Yes | Yes | Yes | No |
| | Nthungu dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Runogone dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Chabuene dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Nthungu dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| Imenti south | Consolata mission hospital Nkubu | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Gaatia dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Ithimbari dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kanyakine district hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kathigu Health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kiarago health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kirogine dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mikumbune sub-district hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mitunguu health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |

| Sub-county | facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|-----------------|---|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| | Muutiokiamia health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | St Anne Kagaene dispensary mission hospital | No | No | No | No | No | No | No | Yes | Yes | Yes | Yes | No |
| | Uruku GK dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kinoro sub-district hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| Tigania central | Mulika dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| Tigania east | Akaiga dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Amugaa dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Charuru dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Karama dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kiguchwa dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kunati health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Lailuba dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Lainyiru dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mikinduri subcounty hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Muthara sub-district hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |

| Sub-county | facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|--------------|----------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| | St John of God hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| Tigania west | Kimachia dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Tigania | | | | | | | | | | | | |
| | Limoro dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mbeu sub-district hospital | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mwero health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mucune dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mutionjuri dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Mwironkanga health centre | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Ncooro dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Rei dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | St Anne Kagane dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Uringu dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Kibiru dispensary | No | No | No | No | No | No | No | No | Yes | Yes | No | No |

| Sub-county | facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|--------------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Complied | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 114 | 7 | 0 |
| Not complied | | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 110 | 114 | 0 | 107 | 114 |

KEY/Details

✓ - Yes

X - No

- D1 Does the facility have a waste management plan?
- D2 Was there a budget for the disposal of COVID19 Waste?
- D3 Was there pharmaceutical waste separated from the sharp waste and other healthcare wastes and the different wastes securely packaged in plastic bags or rigid containers which are clearly labeled?
- D4 Was there pharmaceutical waste stored in designated quarantine stores and away from usable pharmaceutical ?(Applicable to facilities with large volumes of daily waste, that do not transport/dispose daily)
- D5 Is the public health officer involved in the disposal of COVID19 Waste? (Storage, Transportation and Supervision of Disposal)
- D6 Does the Facility Transport Pharmaceutical Waste? (For facilities that do not have a NEMA approved Waste Disposal Site. These sites have an incinerator. N/B: A burning chamber is not an incinerator)
- D7 Was there pharmaceutical waste is transported to a NEMA approved Waste Disposal Site. (Facility should have a copy for the approval of the site/incinerator and a separate documentaion regarding approval for the transportation)
- D8 Was there a pharmaceutical waste transported from one county to another had clearance from NEMA
- D9 Does the facility have an incenerator, burning chamber or burning pit.

- D10 Was the method used to dispose of sharp waste (syringes and needles) by the Healthcare facility and whether complying with the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used COVID-19 vaccines vials and ancillary supply (Treatment should be by Incineration, Sharps are to be incenerated while other waste is to be burnt in a burning chamber)
- D11 Did the quantity and the method used in the disposal of any vaccine vials (both wasted and expired) by the Healthcare facility comply with the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used COVID-19 vaccines vials and ancillary supply?(requirement is Treatment by disinfection with solution, encapsulation, autoclaving or inertization)
- D12 Were the disposed vaccine vials recorded and accounted for in the vaccine inventory report?

Appendix 10: HR at Subcounty Level – Meru County

| Subcounty | Hr1 | Hr2 | Hr3 | Hr4 | Hr5 | Hr6 | Hr7 |
|---------------------|----------|----------|----------|----------|----------|----------|----------|
| Buuri | Yes | Yes | Yes | No | No | N/a | No |
| Igembe central | Yes | Yes | Yes | No | No | N/a | No |
| Igembe north | Yes | Yes | Yes | No | No | N/a | No |
| Igembe south | Yes | Yes | Yes | No | No | N/a | No |
| Imenti central | Yes | Yes | Yes | No | No | N/a | No |
| Imenti north | Yes | Yes | Yes | No | No | N/a | No |
| Imenti south | Yes | Yes | Yes | No | No | N/a | No |
| Tigania east | Yes | Yes | Yes | No | No | N/a | No |
| Tigania west | Yes | Yes | Yes | No | No | N/a | No |
| Complied | 9 | 9 | 9 | 0 | 0 | 0 | 0 |
| Not complied | 0 | 0 | 0 | 9 | 9 | 0 | 9 |

KEY/DETAILS:

✓Yes

X - No

HR1 Was the county represented in National training for ToTs?

HR2 Were the sub county health management team trained on COVID19 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 COVID19 vaccination give rise to a variance?

HR7 Did you Obtain details of staff at national/county/subcounty/facility for the following Categories indicating their designation, attendance dates, Financiar, etc?:

Appendix 11: HR at Facility Level – Meru County

| Sub-county | Facility | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|------------|---------------------------------|-----|-----|-----|-----|-----|-----|
| Buuri | Gundua health centre | No | No | Yes | Yes | Yes | No |
| | Kibirichia subdistrict hospital | No | No | Yes | Yes | Yes | Yes |
| | Kiirua health centre | No | No | Yes | Yes | Yes | Yes |
| | Lewa downs dispensary | No | No | Yes | Yes | Yes | Yes |
| | Mboroga dispensary | No | No | Yes | Yes | Yes | Yes |
| | Naari dispensary | No | No | Yes | Yes | Yes | Yes |
| | Ngarendare dispensary | No | No | Yes | Yes | Yes | Yes |
| | Ontulili health centre | No | No | Yes | Yes | Yes | No |
| | Ruiru rural demonstration | No | No | Yes | Yes | No | Yes |
| | St. Teresa kiirua | No | No | Yes | Yes | Yes | Yes |
| | Timau sub county hospital | No | No | Yes | Yes | Yes | Yes |
| | Maritati dispensary | No | No | Yes | Yes | Yes | Yes |
| | Ntiriti dispensary | No | No | Yes | Yes | Yes | Yes |

| Sub-county | Facility | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|----------------|-----------------------------|-----|-----|-----|-----|-----|-----|
| | Kimbo dispensary | No | No | Yes | Yes | Yes | Yes |
| Igembe central | Antubetwe njoune dispensary | No | No | Yes | Yes | Yes | No |
| | Athiru Runjine dispensary | No | No | Yes | Yes | Yes | No |
| | Kalimbene dispensary | No | No | Yes | Yes | Yes | No |
| | Kangeta health centre | No | No | Yes | Yes | Yes | Yes |
| | Kani karui dispensary | No | No | Yes | Yes | Yes | No |
| | Kathelwa dispensary | No | No | Yes | Yes | Yes | Yes |
| | Kawiru dispensary | No | No | Yes | Yes | Yes | No |
| | Kilili dispensary | No | No | Yes | Yes | Yes | Yes |
| | Kina dispensary | No | No | Yes | Yes | Yes | No |
| | Machungulu dispensary | No | No | Yes | Yes | Yes | Yes |
| | Muuru dispensary | No | No | Yes | Yes | Yes | Yes |
| | Nkinyang'a dispensary | No | No | Yes | Yes | Yes | No |
| | Nthambiro health centre | No | No | Yes | Yes | Yes | Yes |
| | Thamare dispensary | No | No | Yes | Yes | Yes | No |
| | Thumberia dispensary | No | No | Yes | Yes | Yes | Yes |
| | Thuru dispensary | No | No | Yes | Yes | Yes | No |
| Igembe north | K.k etama dispensary | No | No | Yes | Yes | Yes | Yes |
| | Kaelo dispensary | No | No | Yes | Yes | Yes | No |
| | Kairuru dispensary | No | No | Yes | Yes | Yes | Yes |

| Sub-county | Facility | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|----------------|-----------------------------|-----|-----|-----|-----|-----|-----|
| | Laare Health centre | No | No | Yes | Yes | Yes | No |
| | Murumtua Dispensary | No | No | Yes | Yes | Yes | No |
| | Kilera Dispensary | No | No | Yes | Yes | Yes | No |
| | Mutuati sub county hospital | No | No | Yes | Yes | Yes | Yes |
| | Theera health centre | No | No | Yes | Yes | Yes | Yes |
| Igembe south | Akachiu health centre | No | No | Yes | Yes | Yes | Yes |
| | Amwamba dispensary | No | No | Yes | Yes | Yes | No |
| | Antubochiu dispensary | No | No | Yes | Yes | Yes | No |
| | Kalamene health facility | No | No | Yes | Yes | Yes | Yes |
| | Kanthari dispensary | No | No | Yes | Yes | Yes | No |
| | Kiegoi health centre | No | No | Yes | Yes | Yes | No |
| | Kiraone dispensary | No | No | Yes | Yes | Yes | Yes |
| | Maau Methodist hospital | No | No | Yes | Yes | Yes | No |
| | Mutioklama health centre | No | No | Yes | Yes | Yes | No |
| | Nyambene district hospital | No | No | Yes | Yes | Yes | Yes |
| Imenti central | Cotolengo mission hospital | No | No | Yes | Yes | Yes | No |
| | Gatimbi health centre | No | No | Yes | Yes | Yes | Yes |
| | Githongo subcounty hospital | No | No | Yes | Yes | Yes | No |
| | Mwanika dispensary | No | No | Yes | Yes | Yes | Yes |

| Sub-county | Facility | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|--------------|----------------------------------|-----|-----|-----|-----|-----|-----|
| | Kaongo dispensary | No | No | Yes | Yes | Yes | Yes |
| Imenti north | Chabuene dispensary | No | No | Yes | Yes | Yes | Yes |
| | Chugu dispensary | No | No | Yes | Yes | Yes | Yes |
| | Gakoromone dispensary | No | No | Yes | Yes | Yes | Yes |
| | Gankere dispensary | No | No | Yes | Yes | Yes | No |
| | Giaki Subcounty hospital | No | No | Yes | Yes | Yes | No |
| | Igoki dispensary | No | No | Yes | Yes | Yes | Yes |
| | Kathiranga dispensary | No | No | Yes | Yes | Yes | No |
| | Kathithi dispensary | No | No | Yes | Yes | Yes | No |
| | Kianjuri dispensary | No | No | Yes | Yes | Yes | Yes |
| | Kiburine dispensary | No | No | Yes | Yes | Yes | No |
| | Kinoru dispensary | No | No | Yes | Yes | Yes | Yes |
| | Meru district hospital | No | No | Yes | Yes | Yes | No |
| | Ndiine dispensary | No | No | Yes | Yes | Yes | No |
| | Nthungu dispensary | No | No | Yes | Yes | Yes | Yes |
| | Runogone dispensary | No | No | Yes | Yes | Yes | No |
| | Rwanyange dispensary | No | No | Yes | Yes | Yes | No |
| Imenti south | Consolata mission hospital Nkubu | No | No | Yes | Yes | Yes | Yes |
| | Gaatia dispensary | No | No | Yes | Yes | Yes | Yes |
| | Kanyakine district hospital | No | No | Yes | Yes | Yes | Yes |

| Sub-county | Facility | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|-----------------|---------------------------------|-----|-----|-----|-----|-----|-----|
| | Kathigu Health centre | No | No | Yes | Yes | Yes | Yes |
| | Nkubu Gk dispensary | No | No | Yes | Yes | Yes | Yes |
| | Kiarago health centre | No | No | Yes | Yes | Yes | Yes |
| | Kirogine dispensary | No | No | Yes | Yes | Yes | Yes |
| | Mikumbune sub-district hospital | No | No | No | No | No | No |
| | Muutioklama health centre | No | No | No | Yes | Yes | No |
| | St Anne hospital | No | No | Yes | Yes | Yes | No |
| | Urku Gk dispensary | No | No | Yes | Yes | Yes | No |
| | Ithimbari dispensary | No | No | Yes | Yes | Yes | Yes |
| | Kinoro sub-district hospital | No | No | Yes | Yes | Yes | Yes |
| | Mikumbune sub-district hospital | No | No | Yes | Yes | Yes | Yes |
| | Mitunguu health centre | No | No | Yes | Yes | Yes | Yes |
| Tigania central | Mulika dispensary | No | No | Yes | Yes | Yes | No |
| Tigania east | Akaiga dispensary | No | No | Yes | Yes | Yes | Yes |
| | Amugaa dispensary | No | No | Yes | Yes | Yes | Yes |
| | Charuru dispensary | No | No | Yes | Yes | Yes | Yes |
| | Karama dispensary | No | No | Yes | Yes | Yes | Yes |
| | Kiguchwa dispensary | No | No | Yes | Yes | Yes | No |
| | Kunati health centre | No | No | Yes | Yes | Yes | No |
| | Lailuba dispensary | No | No | Yes | Yes | Yes | Yes |

| Sub-county | Facility | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|--------------|---------------------------------|-----|-----|-----|-----|-----|-----|
| | Lainyiru dispensary | No | No | Yes | Yes | Yes | No |
| | Mikinduri subcounty hospital | No | No | Yes | Yes | Yes | Yes |
| | Muthara sub-district hospital | No | No | Yes | Yes | Yes | Yes |
| | St John of God hospital Tigania | No | No | Yes | Yes | Yes | Yes |
| Tigania west | Baibariu dispensary | No | No | Yes | Yes | Yes | No |
| | Kimachia dispensary | No | No | Yes | Yes | Yes | No |
| | Kitheo dispensary | No | No | Yes | Yes | Yes | No |
| | Kunene health centre | No | No | Yes | Yes | Yes | No |
| | Limauru dispensary | No | No | Yes | Yes | Yes | Yes |
| | Limoro dispensary | No | No | Yes | Yes | Yes | Yes |
| | Mbeu sub-district hospital | No | No | Yes | Yes | Yes | Yes |
| | Miathene district hospital | No | No | Yes | Yes | Yes | No |
| | Mikumbune sub-district hospital | No | No | Yes | Yes | Yes | Yes |
| | Mucuune dispensary | No | No | Yes | Yes | Yes | Yes |
| | Mutionjuri dispensary | No | No | Yes | Yes | Yes | No |
| | Mweronkanga health centre | No | No | Yes | Yes | Yes | Yes |
| | Rei dispensary | No | No | Yes | Yes | Yes | No |
| | Uringu dispensary | No | No | Yes | Yes | Yes | No |
| | Kibiru dispensary | No | No | Yes | Yes | Yes | No |
| | St Anne Kagaene dispensary | No | No | Yes | Yes | Yes | Yes |

| Sub-county | Facility | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 |
|------------|---------------|-----|-----|-----|-----|-----|-----|
| | Compliant | 0 | 0 | 114 | 113 | 112 | 114 |
| | Not Compliant | 114 | 114 | 0 | 1 | 2 | 0 |

KEY/DETAILS:

✓ Yes

X - No

- HR1 Did the facility have adequate staff to carry out the COVID19 vaccination (See guide from 5.1 below)
- HR2 Did these staff have separation of roles and if Xt was the staff trained fto handle other roles?. (See guide from 5.1 below)
- HR3 Were health Care Workes (HCW) trained before commencement of COVID19 Vaccination at the facility? (HCW should be trained before being issued with vaccines. Compare date of training with the date the first doze of vaccine were received)
- HR4 Were the health care workers trained on vaccine administration (i.e what was covered in the training)?
- 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? le CHV with Job Description of Trained on Mobilization, Awareness creation

Appendix 12: Coordination of Players at County Level – Meru County

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

KEY/Details:

✓Yes

X - No

- 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 torsi executed?
- CP4 Did the county receive any directives/advisory/instruction from the national government in relation to COVID-19 vaccination?
- CP5 Did the county/subcounty taskforce communicate to the National Task force?
- CP6 Did the committee/task force keep minutes of their meetings?
- CP7 Did the county/subcounty carry out any advocacy?
- CP8 Did the county/subcounty carry out mobilization?
- CP9 Did the county/subcounty carry out any outreaches?

Appendix 13: Coordination of Players at Subcounty Level – MERU County

| Subcounty | CP1 | CP2 | CP3 | CP4 | CP5 | CP6 | CP7 | CP8 | CP9 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Buuri | No | No | No | Yes | Yes | No | Yes | Yes | Yes |
| Igembe central | No | No | No | Yes | Yes | No | Yes | Yes | Yes |
| Igembe north | No | No | No | Yes | Yes | No | Yes | Yes | Yes |
| Igembe south | No | No | No | Yes | Yes | No | Yes | Yes | Yes |
| Imenti central | No | No | No | Yes | Yes | No | Yes | Yes | Yes |

| | | | | | | | | | |
|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Imenti north | No | No | No | Yes | Yes | No | Yes | Yes | Yes |
| Imenti south | No | No | No | Yes | Yes | No | Yes | Yes | Yes |
| Tigania east | No | No | No | Yes | Yes | No | Yes | Yes | Yes |
| Tigania west | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes |
| COMPLIED | 0 | 0 | 0 | 9 | 9 | 1 | 9 | 9 | 9 |
| NOT COMPLIED | 9 | 9 | 9 | 0 | 0 | 8 | 0 | 0 | 0 |

KEY/DETAILS:

✓ Yes

X - No

- 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/subcounty taskforce communicate to the National Task force?
- CP6 Did the committee/task force keep minutes of their meetings?
- CP7 Did the county/subcounty carry out any advocacy?
- CP8 Did the county/subcounty carried out mobilization?
- CP9 Did the county/subcounty carry out any outreaches?

Appendix 14: Coordination of Players at Facility Level – MERU County

| Subcounty | Facility | CP1 | CP2 | CP3 | CP4 | CP5 |
|----------------|---------------------------------|-----|-----|-----|-----|-----|
| Buuri | Gundua health centre | Yes | Yes | Yes | Yes | Yes |
| | Kibirichia subdistrict hospital | Yes | Yes | Yes | Yes | Yes |
| | Kiirua health centre | Yes | Yes | Yes | Yes | Yes |
| | Lewa downs dispensary | Yes | Yes | Yes | Yes | Yes |
| | Mboroga dispensary | Yes | Yes | Yes | Yes | Yes |
| | Naari dispensary | Yes | Yes | Yes | Yes | Yes |
| | Ngarendare dispensary | Yes | Yes | Yes | Yes | Yes |
| | Ontullii health centre | Yes | Yes | Yes | Yes | Yes |
| | Ruiri rural demonstration | Yes | Yes | Yes | Yes | Yes |
| | St. Teresa kiirua | Yes | Yes | Yes | Yes | Yes |
| | Timau sub county hospital | Yes | Yes | Yes | Yes | Yes |
| | Maritati dispensary | Yes | Yes | Yes | Yes | Yes |
| | Ntirimiti dispensary | Yes | Yes | Yes | Yes | Yes |
| | Kimbo dispensary | Yes | Yes | Yes | Yes | Yes |
| Igembe central | Antubetwe njoune dispensary | Yes | Yes | Yes | Yes | Yes |
| | Athiru Runjiine dispensary | Yes | Yes | Yes | Yes | Yes |
| | Baibariu dispensary | Yes | Yes | Yes | Yes | Yes |
| | Nithare catholic health centre | Yes | Yes | Yes | Yes | Yes |
| | Kalimbene dispensary | Yes | Yes | Yes | Yes | Yes |

| | | | | | | | | | |
|--------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | Kangeta health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kani karui dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kathelwa dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kawiru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kililii dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kina dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Machungulu dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Muuru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Nkinyang'a dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Nthambiro health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Thamare dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Thumbereria dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Thuru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Igembe north | Kilera Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | K.k etama dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kaelo dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kairuru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Laare Health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Muromutua Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kilera Dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

| | | | | | | | | | |
|----------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | Mutuati sub county hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Theera heath centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Igembe south | Akachiu health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Amwamba dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Antubochiu dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kalamene health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kanthiari dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kiegoi health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kiraone dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Maua Methodist hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Mutiokiama health facility | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Nyambene district hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Imenti central | Cottolengo mission hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Gatimbi health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Githongo subcounty hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Mwanika dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kaongo dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Imenti north | Chabuene dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Chugu dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Gakoromone dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

| | | | | | | | | | | | |
|--|--|--|--|--|--|-------------------------------------|-----|-----|-----|-----|-----|
| | | | | | | Gankere dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Giaki Subcounty hospital | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Igoki dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Kathiranga dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Kathithi dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Kianjuri dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Kiburine dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Kinoru dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Meru district hospital | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Ndiine dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Nthungu dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Runogone dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | Rwanyange dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | 1. Consolata mission hospital Nkubu | Yes | Yes | Yes | Yes | Yes |
| | | | | | | 2. St. Ann hospital | Yes | Yes | Yes | Yes | Yes |
| | | | | | | 3. Gaatia dispensary | Yes | No | Yes | Yes | Yes |
| | | | | | | 4. Ithimbari dispensary | Yes | Yes | Yes | Yes | Yes |
| | | | | | | 5. Kanyakine district hospital | Yes | Yes | Yes | Yes | Yes |
| | | | | | | 6. Kathigu Health centre | Yes | Yes | Yes | Yes | Yes |
| | | | | | | 7. Kiarago health centre | Yes | Yes | Yes | Yes | Yes |

| | | | | | | | | |
|-----------------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| | 8. Kirogine dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | 9. Mikumbune sub-district hospital | Yes | No | Yes | Yes | Yes | Yes | Yes |
| | 10. Mitunguu health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | 11. Muutiokiama health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | 12. Uruku GK dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | 13. Kionyo health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | 14. Kinoro sub-district hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | 15. Nkubu GK dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Tigania central | Mulika dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Tigania east | Akaiga dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Amugaa dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Charuru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Karama dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kiguchwa dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kunati health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Lailuba dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Lainyiru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Mikinduri subcounty hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Muthara sub-district hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

| | | | | | | | | | |
|--------------|----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | St John of God hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Tigania west | Tigania | | | | | | | | |
| | Kimachia dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kitheo dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kunene health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Limauro dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Limoro dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Mbeu sub-district hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Miathene district hospital | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Mucuune dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Mutionjuri health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Mweronkanga health centre | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Rei dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | St Anne Kagaene dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Uringu dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | Kibiru dispensary | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | COMPLIED | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 |
| | NOT COMPLIED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

KEY/DETAILS:

✓Yes
X - No

| | |
|------------|--|
| CP1 | Does the facility receive COVID19 vaccine related directives/information from the National/county? |
| CP2 | Did the facility receive communication from the National/county/subcounty 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 – Meru County

| | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 |
|----------------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| Meru County | X | X | X | X | ✓ | ✓ | X | X | ✓ | ✓ | X | X | X | X | X |
| Compliant | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | N/A | N/A | N/A |
| Non-Compliant | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | N/A | N/A | N/A |

KEY/Details:

✓Yes
X - No

- M1 Did the County designate an incharge/Committee for monitoring COVID19 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/subcounty/facility received Adverse effect booklet etc that are required to report adverse effects?
- M11 Has the subcounty/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 Subcounty Level – Meru County

| Subcounty | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 |
|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Buuri | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Igembe central | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Igembe north | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Igembe south | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Imenti central | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Imenti north | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Imenti south | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Tigania east | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Tigania west | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes |
| COMPLIED | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 9 | 9 | 9 | 0 | 9 | 9 | 9 |
| NOT COMPLIED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 | 0 | 0 | 0 |

KEY/Details:

- ✓ Yes
- X - No

M1 Did the County designate an incharge/Committee for monitoring COVID19 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/subcounty/facility received Adverse effect booklet etc that are required to report adverse effects?
- M11 Has the subcounty/facility experienced any instance of adverse effect?
- M12 Does the County/Sub-county/Facility monitor temparature during trasportation of vaccines?
- M13 Does the County/Sub-county record temparature every morning and evening in the temparature 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 – MERU County

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|-----------|---------------------------------|-----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|
| 1. Buuri | Gundua health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kibirichia subdistrict hospital | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kiirua health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Lewa downs dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Mboroga dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Naari dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Ngarendare dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Ontulili health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Ruiri rural demonstration | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | St. Teresa kiirua | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|-------------------|-----------------------------|-----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|
| | Timau subcounty hospital | Yes | No | No | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Maritati dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Ntirimiti dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kimbo dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| 2. Igembe central | Antubetwe njoune dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Athiru ruunjine dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Baibarui dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Nthare health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kalimbene dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kangeta health centre | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kani karui dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|-----------------|-------------------------|----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|
| | Kathelwa dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kawiru dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kilili!!! dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kina dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Machungu dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Muru dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Nkinyanga dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Nthambiro health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Thamare dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Thumberia dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Thuru dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| 3. Igembe north | K'k etama dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kaelo dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|-----------------|-----------------------------|-----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|
| | Kairuru dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Laare Health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Murumtua Dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kilera Dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Mutuati sub county hospital | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Thera health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| 4. Igembe south | Akachi health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Amwamba dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Antubochiu dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kalamene health facility | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kanthari dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kiegoi health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|-------------------|-----------------------------|-----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|
| | Kiraone dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Maua Methodist hospital | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Mutiokiana health facility | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Nyambene district hospital | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| 5. Imenti central | Cottolengo mission hospital | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Gatimbi health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Githongo subcounty hospital | Yes | No | No | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Mwanika dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kaongo dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kiarago health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| 6. Imenti north | Chabuene dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Chugu dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|-----------|--------------------------|-----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|
| | Gakomone dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Gankere dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Giaki Subcounty hospital | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Igoki dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kathiranga dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Kianjuri dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kiburine dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Kinoru dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Meru district hospital | Yes | No | No | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Ndiine dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Nthungu dispensary | Yes | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Runogone dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|-----------------|----------------------------------|-----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|
| | Rwanyange dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| 7. Imenti south | Consolata mission hospital Nkubu | Yes | No | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Gaatia dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Ithimbari dispensary | Yes | No | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Kanyakine district hospital | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kathigu Health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | St Ann hospital | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kiarago health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kirogine dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Mikumbune sub-district hospital | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Mitunguu health centre | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Muutiokiamia | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Nkubu | Yes | No | No | No | Yes | No | No | No | Yes | Yes | Yes | Yes |

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|--------------------|------------------------------|-----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|
| | Uruku GK dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kinoro sub-district hospital | Yes | No | No | No | No | No | No | No | Yes | Yes | Yes | Yes |
| 8. Tigania central | Mulika dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| 9. Tigania east | Akaiga dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Amugaa dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Charuru dispensary | Yes | No | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Charuru dispensary | Yes | No | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Karama dispensary | Yes | No | Yes | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Kiguchwa dispensary | Yes | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Kunati health centre | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Lailuba dispensary | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Lainyiru dispensary | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|------------------|---------------------------------|-----|----|-----|----|-----|----|----|----|-----|-----|-----|-----|
| | Mikinduri subcounty hospital | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Muthara sub-district hospital | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | St John of God hospital Tigania | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| 10. Tigania west | Kimachia dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kitheo dispensary | No | No | NA | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kunene health centre | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Limauro dispensary | No | No | N/A | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Limoro dispensary | No | No | N/A | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Mbeu sub-district hospital | Yes | No | No | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Miathene district hospital | Yes | No | No | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Mituntu dispensary | No | No | NA | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Ncooro dispensary | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |

| Subcounty | Facilities | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 |
|-----------|----------------------------|-----------|------------|-----------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|
| | Mucuune dispensary | No | No | NA | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Mutionjuri | No | No | NA | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Mweronkanga health centre | No | No | NA | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | Rei dispensary | No | No | NA | No | No | No | No | No | Yes | Yes | Yes | Yes |
| | St Anne Kagaene dispensary | Yes | No | Yes | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Uringu dispensary | No | No | NA | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Kibiru dispensary | No | No | NA | No | Yes | No | No | No | Yes | Yes | Yes | Yes |
| | Complied | 26 | 0 | 20 | 0 | 89 | 0 | 0 | 0 | 114 | 114 | 114 | 114 |
| | Not complied | 88 | 114 | 6 | 114 | 25 | 114 | 114 | 114 | 0 | 0 | 0 | 0 |

KEY/DETAILS:

✓ Yes
X - No

M1 Did the Facility receive any tablets for COVID19 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/subcounty/facility put in place to ensure patients report adverse effect

- M5** Has the County/subcounty/facility received any Adverse effect booklet etc that are required to report adverse effects?
- M6** Has the subcounty/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 (Pfizer and Moderna) of the vaccines?
- M11** Has the county/subcounty/Facility been making use of the temperature monitoring tools?



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