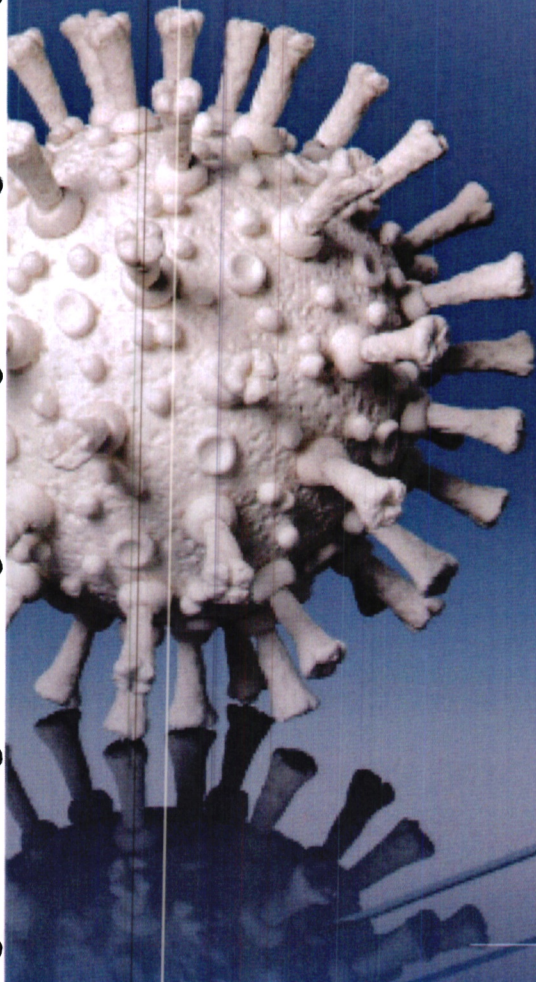


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**SPECIAL AUDIT REPORT OF THE AUDITOR-GENERAL
ON
COVID 19 VACCINE ROLL OUT
FOR
BUSIA COUNTY
AS AT 31 MARCH 2022**



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| LIST OF ABBREVIATIONS | III |
| LIST OF TABLES..... | IV |
| 1.0 EXECUTIVE SUMMARY | 1 |
| 1.1 Background and Introduction..... | 1 |
| 1.2 Audit Scope, Limitations and Mitigation | 1 |
| 1.3 Audit Approach and Methodology | 1 |
| 1.4 Report Summary..... | 2 |
| 1.4.1 Doses Received and Administered..... | 2 |
| 1.4.2 Budget | 2 |
| 1.4.3 Sources and Distribution of Vaccines..... | 2 |
| 1.4.4 Storage of Vaccines..... | 2 |
| 1.4.5 Disposal of Vaccines..... | 2 |
| 1.4.6 Human Resource Matters..... | 3 |
| 1.4.7 Coordination of players | 3 |
| 1.4.8 Monitoring and Supervision | 3 |
| 1.4.9 Conclusions and Recommendation..... | 3 |
| 2.0 BACKGROUND AND INTRODUCTION | 5 |
| 2.1 Objective of the Audit..... | 5 |
| 2.2 Terms of Reference | 6 |
| 2.3 Scope of the Audit and Limitations | 8 |
| 2.3.1 Scope | 8 |
| 2.3.2 Limitations..... | 8 |
| 2.4 Audit Approach and Methodology | 9 |
| 2.4.1 Document Review..... | 9 |
| 2.4.2 Analytical Review | 9 |
| 2.4.3 Physical Verification | 9 |
| 2.4.4 Interviews..... | 9 |
| 2.5 Audit Phases..... | 10 |
| 2.6 Report Structure | 10 |
| 3.0 DETAILED FINDINGS | 11 |

| | | |
|------------|---|-----------|
| 3.1 | Budget and Sources of Vaccines..... | 11 |
| 3.1.1 | Unconfirmed Funding of Covid-19 Vaccination Activities | 11 |
| 3.1.2 | Sources of Vaccines..... | 11 |
| 3.2 | Storage of Vaccines | 12 |
| 3.2.1 | Storage at the County and Sub- Counties Stores | 12 |
| 3.2.2 | Storage at the Facilities Level..... | 14 |
| 3.3 | Distribution of Vaccines..... | 15 |
| 3.3.1 | Distribution at County Level..... | 15 |
| 3.4 | Utilization of Vaccines | 16 |
| 3.4.1 | Administered Doses..... | 17 |
| 3.4.2 | Expired Doses..... | 17 |
| 3.4.3 | Damaged Doses..... | 18 |
| 3.4.4 | Wasted Doses..... | 18 |
| 3.4.5 | Unexplained Vaccine Variances..... | 18 |
| 3.5 | Disposal of Vaccines..... | 19 |
| 3.6 | Human Resource Matters | 21 |
| 3.7 | Coordination of layers | 22 |
| 3.7.1 | Coordination at County Level..... | 22 |
| 3.7.2 | Coordination at Sub County Level..... | 23 |
| 3.8 | Monitoring and Supervision..... | 23 |
| 4.0 | IRREGULARITIES AND WEAKNESSES IN MANAGEMENT AND CONTROLS OF VACCINES IN INSTITUTIONS | 26 |
| 5.0 | CONCLUSION..... | 27 |
| 6.0 | APPENDICES..... | 28 |

LIST OF ABBREVIATIONS

The following abbreviations are used in this Report

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

LIST OF TABLES

| | |
|--|------|
| Table 1– Terms of Reference | 6 |
| Table 2 - Interviews | 10 |
| Table 3 – Weaknesses in Budgeting and Expenditure..... | 11 |
| Table 4 – Storage at the County and Sub County Stores | 12 |
| Table 5 - Storage at the Facility Level | 14 |
| Table 6 – Distribution at County Level..... | 15 |
| Table 7 – Utilization of Vaccines..... | 17 |
| Table 8– Disposal of Vaccines..... | 2019 |
| Table 9 – Training at County Level | 22 |
| Table 10 - Coordination at Sub Counties and Facilities | 23 |
| Table 11 - Monitoring at Sub Counties and Facilities..... | 2423 |
| Table 12- Irregularities and Weaknesses..... | 26 |

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 Busia County. The audit involved the review of budget, sources of the vaccines, storage, distribution, utilization and disposal of the vaccines, human resource financing, coordination of players, monitoring and supervision.

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

1.2 Audit Scope, Limitations and Mitigation

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

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

1.3 Audit Approach and Methodology

The Audit exercise entailed planning, piloting of the vaccine roll-out audit in one of the Counties, before rolling out to the rest of the 47 Counties. Meetings were held with the auditee and evidence was collected through interviews, document reviews, Data

Analytics, analysis of audit evidence, among others. The audit was performed using International Standards of Supreme Auditing Institutions (ISSAIs).

1.4 Report Summary

1.4.1 Doses Received and Administered

Busia County received 460,264 doses of various types of vaccines during the period under review. Out of the total Covid-19 Vaccine Doses received in the County, 304,245 doses were administered, 500 transferred to Siaya County, while 50,644 vaccine doses were still in stock as at the time of the audit cutoff date of 31 March,2022. The balance of 104,875 vaccine doses comprised of expired, damaged, wasted and an unexplained deficit variance of 54,124 doses as at 31 March,2022.

1.4.2 Budget

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

1.4.3 Sources and Distribution of Vaccines

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

1.4.4 Storage of Vaccines

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

1.4.5 Disposal of Vaccines

The Special Audit noted that a total of 50,751 vaccine doses had expired, were damaged or had gone to waste. Out of 50,751 vaccine doses, 50,369 had been disposed with other

hospital waste while the balance of 382 vaccines had not been disposed off but was yet to be returned to the Regional Store.

1.4.6 Human Resource Matters

The financing for health care personnel was to be funded by the Government of Kenya, Donors and development partners. Busia County Management explained that their trainings were undertaken through the assistance of the development partners. However, there were no proper records of documentation maintained for the trainings undertaken or provided.

1.4.7 Coordination of players

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

1.4.8 Monitoring and Supervision

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

1.4.9 Conclusions and Recommendation.

The audit concluded that the roll-out of the Covid-19 Vaccines was effective. However, weaknesses were noted in some of the processes including failure to budget for the rollout activities, practical adherence to waste disposal regulations, inadequate staff and training at the facilities and inadequate access to the Chanjo System due to inadequacy or faulty tablets and lack of data bundles to the staff updating information in the system. This impacted on the real time recording of information in the Chanjo System and an unexplained deficit variance of 54,124 vaccine doses valued at Kshs. 33,078,332, 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 Busia County Government should work closely with the National Government to strengthen the existing immunization structures and staffing to meet international standards.

2.0 BACKGROUND AND INTRODUCTION

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

Busia County received its first consignment of 6,000 Astra Zeneca-Oxford Covid-19 vaccines doses in March 2021, through the Kakamega Regional Vaccines Store. The vaccine doses were first administered at Busia County Referral Hospital; Nambale, Port Victoria, Alupe, Khunyangu and Teso North Sub County Hospitals, before being rolled out to the facilities in the seven (7) Sub Counties.

As at 31 March 2022, the Special Audit Team established that the County had received 460,264 vaccines doses as tabulated below:

| Type of Vaccine | Number of Doses |
|------------------------|-----------------|
| Moderna | 42,500 |
| Janssen (Ad26.COVS2_S) | 108,600 |
| Oxford/AstraZeneca | 176,624 |
| Pfizer | 132,540 |
| Total | 460,264 |

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 Busia 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 1– 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 |

| TOR | Detailed Procedures |
|--|--|
| | <ul style="list-style-type: none"> • 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 |
| 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 |

| TOR | Detailed Procedures |
|--------------------------------------|---|
| 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. A total of 84 out of 92 vaccinating facilities in the Busia County were not defined in the Chanjo Kenya System. This called for 100% coverage of physical verification of records, stocks and visits to all facilities.
- ii. Further, 6 out of 7 Sub County Stores were also not defined in the Chanjo system while the vaccines moved direct from the Regional Store to Matayos Sub County Store that distributed to a facility in each Sub County, that in turn distributed to facilities under it off the system. This also called for 100% coverage of physical verification of records, stocks and visits to all facilities.
- iii. Accuracy and completeness of inventory records could not be established. The Audit Team corroborated information in the physical records such as order sheets and vaccines stock ledgers with information in the Chanjo System
- iv. Port Victoria Sub County Hospital that doubled up as a facility, did not maintain separate vaccines stocks ledgers from the Sub County Stores. This necessitated the Audit Team to take longer in understanding the processes and operations so as to reach an understanding on how to account for all the vaccines received at the Sub County.

- v. Some of the wasted vaccine were not recorded at facilities. This was mitigated by making references to the wastages uploaded in the Chanjo system.

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 11 May, 2022 and 2 June, 2022 respectively. During the entry meeting, uniform and detailed work plans were developed and adopted which were then applied in the execution of the audit. The following were the main evidence gathering methods applied during the audit execution:

2.4.1 Document Review

To effectively execute the audit and as a source of audit evidence, the audit team reviewed various documents including the vaccine order sheets, vaccine stock ledgers, Annual Work Plans (AWPs), budgets, 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 County, Sub County stores and vaccinating facilities.

2.4.3 Physical Verification

The Audit Team carried out physical verifications in the seven (7) Sub County Stores and 91 vaccinating facilities in the County excluding Port Victoria Sub County Hospital that served as Store as detailed in **Appendix 1**.

2.4.4 Interviews

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

Table 2 - Interviews

| | Name | Organization | Designation |
|----|----------------------|---------------------|---|
| 1. | Ms. Phaustine Barasa | Busia County | County Executive Committee Member- Health |
| 2. | Mr. Ino O Jonathan | Busia County | County Chief Officer- Health |
| 3. | Dr. Melsa Lutomia | Busia County | County Director- Health |
| 4. | Vincent Ombitsi | Busia County | County Accountant- Health |
| 5. | Moses Sirigwa | Busia County | Health Records Information Officer |
| 6. | Juliet Kilima I. | Busia County | County EPI Logistician |

2.5 Audit Phases

The audit was divided into Two Phases; Phase One involved review of processes at The National Treasury, Office of the Controller of Budget and Ministry of Health. 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 Sub County Stores and the vaccinating facilities in the County. This Phase also involved verification and interview of staff.

2.6 Report Structure

This report is presented in the following format:

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

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

3.0 DETAILED FINDINGS

3.1 Budget and Sources of Vaccines

3.1.1 Unconfirmed Funding of Covid-19 Vaccination Activities

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

3.1.2 Sources of Vaccines

The County received 460,264 vaccines between March 2021 and 31 March 2022 from the National Government. Review of the County's Health Services Budget for the financial year 2021/2022 revealed that there were no provisions for the Covid-19 vaccine roll out. Further, the Special Audit revealed the following anomalies as summarized below and detailed in

Appendix 2:

Table 3 – Weaknesses in Budgeting and Expenditure

| Observation/Findings | Number of Compliant Sub Counties | Number of Non-Compliant Sub Counties |
|--|----------------------------------|--------------------------------------|
| Failure to budget for associated Covid-19 vaccination costs, including transportation, training and procurement of auxiliary services such as syringes and safety boxes. | 0 | 7 |
| Lack of budgetary support for Covid-19 from donors/National government. | 7 | 0 |
| Failure to spent budgetary support on Covid-19 vaccination. | 7 | 0 |
| Failure by the Sub County/Facility to finance Distribution of Vaccines, Outreaches, Trainings costs related to Covid-19 vaccination. | 7 | 0 |

3.2 Storage of Vaccines

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

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

3.2.1 Storage at the County and Sub- Counties Stores

Review of documents provided for audit and physical verification carried out at the 7 Sub-Counties stores revealed issues as summarized below in Table 4 and detailed in **Appendix 3**.

Table 4 – Storage at the County and Sub County Stores

| Observations/Findings | Number of Compliant Sub- County Stores | Number of Non- Compliant Sub- County Stores |
|---|--|---|
| Cold Chain and Supply Logistics | | |
| Store, has sufficient security to prevent loss of Covid vaccines as well as prevent unauthorized access | 7 | 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. | 6 | 1 |
| Broken or damaged items are withdrawn from usable stock and stored separately | 7 | 0 |
| There was sufficient lighting necessary to enable all operations to be carried out accurately and safely. | 7 | 0 |
| All Covid-19 vaccines stored off the floor | 6 | 1 |
| Refrigerated and freezing storage environments fitted with signals to indicate that refrigeration has failed. The signal permitted resetting only by the authorized person. | 7 | 0 |

| Observations/Findings | Number of Compliant Sub-County Stores | Number of Non-Compliant Sub-County Stores |
|--|---------------------------------------|---|
| Cold Chain and Supply Logistics | | |
| The vaccines issued on a FIFE method and guided by the expiry date | 7 | 0 |
| There was a contingency plan in case of power failure, equipment breakdown, or cold chain breach | 7 | 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 awaiting destruction or return to the supplier | 7 | 0 |
| There are written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas. | 5 | 2 |
| There was a cleaning log that must be completed, signed, and checked by the appropriately designated person. | 2 | 5 |
| 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 | 7 |
| There were appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination | 5 | 2 |
| The Covid-19 vaccines were stored in such a way as to prevent contamination or cross-contamination. | 7 | 0 |
| Storage Conditions | | |
| The storage conditions were compatible with the storage conditions specified on their labels. (Storage facilities protected goods from deterioration.) | 6 | 1 |
| The warehouse was maintained at a temperature not exceeding 30 °C, and relative humidity not exceeding 75% Relative humidity (WHO zone IVb requirements) at all times. | 5 | 2 |
| The storage conditions of the refrigerators are as per the vaccine manufacturer's recommendations (Refrigerated (2°C to 8°C)) | 7 | 0 |
| There were continuous temperature monitoring devices. In addition, there were written procedures describing the action in case of temperature deviating outside of the set standards and conditions. | 7 | 0 |
| The store had stock in the Cold Room and were physical counted and grouped per vaccine and Batch Numbers | 7 | 0 |

From the foregoing, the Special Audit team confirmed that the Busia County Sub- County Stores did not comply with most of the storage conditions, as summarised in the table above.

3.2.2 Storage at the Facilities Level

Review of documents provided for audit and physical verification carried out at the 91 facilities revealed issues as summarized below and detailed in **Appendix 4**.

Table 5 - Storage at the Facility Level

| Observations/Findings | Number of Facilities in Compliance | Number of Facilities in Non-Compliance |
|---|------------------------------------|--|
| Is the store well secured to prevent unauthorized access? | 89 | 2 |
| Were broken or damaged items withdrawn from usable stock and stored separately? | 91 | 0 |
| Is there sufficient lighting necessary to enable all operations to be carried out accurately and safely? | 90 | 1 |
| Are all Covid-19 vaccines (Fridge) stored off the floor? | 91 | 0 |
| Is the Refrigerator is fitted with signals to indicate that refrigeration has failed?(The signal should permit resetting only by the authorized person.) | 18 | 73 |
| Are the vaccines issued on a FIFO method and guided by the expiry date? | 90 | 1 |
| Is there a contingency plan in case of power failure, equipment breakdown, or cold chain breach | 91 | 0 |
| 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) | 91 | 0 |
| 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) | 42 | 49 |
| Are there appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination? | 37 | 54 |
| Are the storage conditions of the refrigerators per the vaccine manufacturer's recommendations? (Refrigerated (2°C to 8°C) | 91 | 0 |
| 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? | 91 | 0 |
| Have you carried out Physical count of Doses in the cold room (Grouped per vaccine and Batch No.) | 89 | 2 |

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

3.3 Distribution of Vaccines

3.3.1 Distribution at County Level

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

The County does not have a County Store; the Vaccines are dispatched directly from the Regional Store in the Chanjo System to Matayos Sub County Store, then distributed to eight (8) facilities within the seven (7) sub counties. Physically however, the vaccines were received by the Sub County Stores. The Sub County Stores, though defined in the Chanjo System, did not receive vaccines in their own name, but received them in the name of the parent facility at the Sub County. .

All dispatches from the Sub Counties to the facilities under it, were done manually through order sheets and recorded in vaccines stock ledger books of dispatching and receiving facilities.

The 460,264 vaccines received in Busia County as at 31 March, 2022 were distributed as summarized below in Table 6 and detailed in **Appendix 5**:

Table 6 – Distribution at County Level

| Vaccine Type | Vaccine Receipts at the County | Vaccines Stocks at the County | Distributed to Facilities | Transferred to Siaya County Store | Total Vaccine Doses |
|---------------------|--------------------------------|-------------------------------|---------------------------|-----------------------------------|---------------------|
| Janssen (Ad26.COVS) | 108,600 | 17,930 | 90,670 | - | 90,670 |
| Moderna | 42,500 | 0 | 42,500 | - | 42,500 |
| Oxford/AstraZeneca | 176,624 | 0 | 176,124 | 500 | 176,624 |
| Pfizer | 132,540 | 0 | 132,540 | - | 132,540 |
| Total | 460,264 | 17,930 | 441,834 | 500 | 442,334 |

The County vaccine stock balance as at 31 March 2022 was 17,930 doses.

According to the National Policy Guidelines on Immunization, 2013, storage and transportation of vaccines and diluents, at all stages of vaccine transportation, a cold chain monitor must always accompany all vaccines whether in cold boxes, vaccine carriers or portable fridges and the temperature reading must be maintained between +2°C and +8°C, including age of conditioned ice packs. Diluents need not be transported at +2°C to +8°C unless they are being transported for outreach activities. This prevents thermal shock to the vaccine, which can occur if the diluent is warm.

It was observed that the diluents were placed in the refrigerator, at temperatures ranging between +2°C and +8°C, a condition that was in line with the 2013 Guidelines.

3.4 Utilization of Vaccines

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

Examination of records maintained in the Chanjo System revealed that as at 31 March, 2022; 460,264 vaccine doses had been received in the County.

Documents provided for audit revealed that there were 92 vaccinating facilities, with only 8 facilities having been mapped in the Chanjo System. The unmapped facilities used the credentials of the mapped facilities in updating Vaccines administration in the System.

In addition, there were 7 Sub County health facilities that besides being stores, functioned as vaccinating facilities.

Out of the 460,264 Covid-19 vaccine doses received, 304,245 vaccine doses were administered, 500 transferred to Siaya County, 50,644 were in stock, while the balance of 50,751 was either expired, damaged or had gone to waste as at 31 March, 2022 as summarized below in Table 7 and detailed in **Appendix 6**. There was however an unexplained deficit variance of 54,124 vaccines doses.

Table 7 – Utilization of Vaccines

| Vaccine Type | Doses Received | Doses Administered | Transferred To Siaya County | Doses In Stock | Doses Expired | Doses Damaged | Doses Wasted | Unexplained Variance Doses | Estimate Price per Dose (Kshs) | Total Amount (Kshs) |
|-------------------------|----------------|--------------------|-----------------------------|----------------|---------------|---------------|--------------|----------------------------|--------------------------------|---------------------|
| Janssen (Ad26.COVS-2-S) | 108,600 | 51,995 | 0 | 44,121 | 0 | 0 | 590 | 11,894 | 753 | 8,956,420 |
| Moderna | 42,500 | 32,357 | 0 | 0 | 327 | 0 | 543 | 9,273 | 505 | 4,683,329 |
| Oxford/ AstraZeneca | 176,624 | 123,009 | 500 | 1,011 | 38,769 | 10 | 1,500 | 11,825 | 446 | 5,276,552 |
| Pfizer | 132,540 | 96,884 | 0 | 5,512 | 8,426 | 0 | 586 | 21,132 | 670 | 14,162,032 |
| Totals | 460,264 | 304,245 | 500 | 50,644 | 47,522 | 10 | 3,219 | 54,124 | | 33,078,332 |

3.4.1 Administered Doses

The Chanjo System indicates that a total of 306,103 doses had been administered in the County between 1 March, 2021 and 31 March, 2022. The vaccine doses administered are as summarised below:

| Vaccine Type | First Doses | Second Doses | Booster Doses | Grand Total |
|-------------------------|----------------|---------------|---------------|----------------|
| Oxford/ AstraZeneca | 76,729 | 46,510 | 473 | 123,712 |
| Moderna | 20,428 | 11,899 | 56 | 32,383 |
| Janssen (Ad26.COVS-2-S) | 52,480 | 0 | 10 | 52,490 |
| Pfizer | 72,694 | 23,393 | 1,431 | 97,518 |
| Grand Total | 222,331 | 81,802 | 1,970 | 306,103 |

The disparity of 1,858 doses between the administered doses of 304,245 in the trackers used during audit and the administered doses from the Chanjo System of 306,103 for the same time period (1 March 2021 and 31 March 2022) was traced to retrospective entries of vaccinations into the System.

3.4.2 Expired Doses

These are vaccine doses that had not been administered by the manufactures use by date indicated on the vials or more than 30 days had lapsed since being thawed for the case of Pfizer and Moderna vaccines totalling to 47,522 doses. Out of this, 382 vaccine doses had not been disposed off by the time of the Special Audit in May 2022.

The Special Audit Team noted that out of the 47,522 expired vaccine doses, 36,525 were received by various facilities when the vaccines were remaining with a useful shelf life of only 6 to 13 days.

| Batch | Receiving Facility | Date Receipt | Batch Expiry Date | Days to Expiry | Vaccine Doses |
|--------------|--------------------------------|--------------|-------------------|----------------|---------------|
| 210216 | Alupe | 17-Feb-22 | 28-Feb-22 | 11 | 8,395 |
| 210216 | Busia County Referral Hospital | 22-Feb-22 | 28-Feb-22 | 6 | 10,670 |
| 210216 | Khunyangu | 15-Feb-22 | 28-Feb-22 | 13 | 4,800 |
| 210216 | Nambale | 22-Feb-22 | 28-Feb-22 | 6 | 4,100 |
| 210216 | Port Victoria | 15-Feb-22 | 28-Feb-22 | 13 | 4,330 |
| 210216 | Sio Port | 22-Feb-22 | 28-Feb-22 | 6 | 1,890 |
| 210216 | Teso North | 15-Feb-22 | 28-Feb-22 | 13 | 2,340 |
| Total | | | | | 36,525 |

3.4.3 Damaged Doses

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

3.4.4 Wasted Doses

These were vaccine doses that were not administered due to failure to utilize within the stipulated timelines upon opening of the vial. 3,219 vaccine doses were reported as wasted in the County and had been disposed off by the time of the Special Audit in May 2022.

3.4.5 Unexplained Vaccine Variances

Documents provided for audit revealed that 460,264 vaccine doses received in the County. However, reconciliation of the vaccines received, administered, in stock, expired, damaged and wasted revealed an unexplained deficit variance of 54,124 doses valued at Kshs 33,078,332.

The following weakness observed during the audit could have contributed to an unexplained variance:

- a) Wastages not reported at the facilities,

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

3.5 Disposal of Vaccines

The Special Audit noted that a total of 382 expired doses had not been disposed off as at the time of the audit. However, 50,369 expired, damaged and wasted vaccine doses had been disposed off.

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 8 and detailed in **Appendices 7 and 8.**

Table 8– Disposal of Vaccines

| Observation/Findings | Sub County Stores | | Facilities | |
|--|---------------------|-------------------------|---------------------|-------------------------|
| | Number of Compliant | Number of Non-Compliant | Number of Compliant | Number of Non-Compliant |
| Lack of a developed waste management plan | | 0 | | 0 |
| Lack of budget for disposal of Covid-19 waste | 0 | 7 | 0 | 91 |
| Lack of NEMA clearance when transporting Covid-19 waste from one county to another or from one region to another for stores without a NEMA approved Waste Disposal Site. | N/a | 0 | 0 | 91 |
| Failure to record or to account for vaccine vials in the vaccine inventory report | 0 | 7 | 0 | 91 |
| 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. | N/a | N/a | N/a | N/a |
| Failure to dispose in a NEMA approved pharmaceutical disposal site in compliance with the Guidelines for safe management of pharmaceutical waste | 0 | 7 | 0 | 91 |
| 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. | 7 | 0 | 86 | 5 |
| Disposing without a certificate of safe disposal of pharmaceutical waste in compliance with the Guidelines for secure management of pharmaceutical waste | N/a | N/a | N/a | N/a |
| 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 the the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used Covid-19 vaccines vials and ancillary supply | 7 | 0 | 91 | 0 |

| Observation/Findings | Sub County Stores | | Facilities | |
|--|---------------------|-------------------------|---------------------|-------------------------|
| | Number of Compliant | Number of Non-Compliant | Number of Compliant | Number of Non-Compliant |
| Disposal of vaccine vials (both wasted and expired) by the Healthcare facility without following the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used Covid-19 vaccines vials and ancillary supply (requirement is Treatment by disinfection with solution, encapsulation, autoclaving or inertization) | N/a | N/a | 91 | 0 |
| Failure to have a pharmaceutical waste stored in designated quarantine stores and away from usable pharmaceutical. | 7 | 0 | 91 | 0 |
| Lack of an incinerator, burning chamber or burning pit | 7 | 0 | 91 | 0 |

In the circumstances, failure to follow the disposal protocols including having undisposed expired vaccines may pose a health risk to the general public and the health officers. Further, the 7 Sub County stores and 91 vaccinating facilities failed to record or account for vaccines vials in the vaccine inventory report, thus not complying with the Guidelines.

3.6 Human Resource Matters

Training at County Level

The health care workers were to be trained and were required to be competent on; knowledge on Covid-19 disease; knowledge and skills in Covid-19 Vaccine demand creation, health facility preparation, safe vaccine administration, infection control practices, patient data management, adverse event reporting and management, documentation and monitoring of vaccine utilization and logistics, communication, waste management, mental health and multi-disciplinary team work.

Immediately after the Covid-19 vaccines were rolled out, trainings for different level personnel in the National and County Governments were conducted. Busia County Health Management team indicated that trainings within the County were undertaken through the support of Partners. However, no correspondence or documentation regarding donor facilitation and support was provided for audit review.

The findings on Human Resource Training are as summarized below and detailed in **Appendix 9** and **10**.

Table 9 – Training at County Level

| Observation/Findings | Sub County Stores | | Facilities | |
|--|---------------------|-------------------------|---------------------|-------------------------|
| | Number of Compliant | Number of Non-Compliant | Number of Compliant | Number of Non-Compliant |
| County and Sub- Counties were not represented in National training for ToT. | 7 | 0 | N/a | N/a |
| Counties and Sub- Counties Health Management Team not trained on Covid-19 immunization | 7 | 0 | N/a | N/a |
| Trainings not well spread to all necessary cadres | 7 | 0 | N/a | N/a |
| Lack of a training plan and trainings not done as per training plan | 0 | 7 | N/a | N/a |
| Lack of a specific training budget for Covid-19 immunization | 0 | 7 | N/a | N/a |
| Variance between budget and actual expenditure for training on Covid-19 vaccination. | N/a | N/a | N/a | N/a |
| Lack of details including designation, attendance dates, financier of staff at national/county/Sub County/facility | 7 | 0 | 91 | 0 |
| Lack of adequate staff to carry out the Covid-19 vaccination | N/a | N/a | 84 | 7 |
| Lack of separation of roles and duties | N/a | N/a | 45 | 46 |
| Lack of prior training on Covid- 19 including vaccine administration | 7 | 0 | 91 | 0 |
| Failure to use trained staff to train other staff | N/a | N/a | 32 | 59 |

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

3.7 Coordination of layers

3.7.1 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.

It was however noted that appointment letters and the terms of reference of the Committee/ Task Force were not provided for audit review. In the circumstances, the Special Audit could not establish the membership of the Task Force, their roles and mandate.

3.7.2 Coordination at Sub County Level

The findings on Coordination at Sub County and facilities' level are as summarized below and detailed in **Appendix 11, 12 and 13:**

Table 10 - Coordination at Sub Counties and Facilities

| Observation/Findings | County | Sub County Stores | | Facilities | |
|--|--------|---------------------|-------------------------|---------------------|-------------------------|
| | | Number of Compliant | Number of Non-Compliant | Number of Compliant | Number of Non-Compliant |
| Failure to form coordination taskforce/committee | 0 | 7 | 0 | N/a | N/a |
| Task force /committee without terms of reference (TOR) | 1 | 0 | 7 | N/a | N/a |
| Failure to comply with the TORS | 1 | 0 | 7 | N/a | N/a |
| Lack of directives/ advisory/ instruction from higher levels in the Covid -19 Vaccine management | 0 | 7 | 0 | 91 | 0 |
| Lack of upward/downward communication in Covid-19 Vaccine Roll out | 0 | 7 | 0 | 91 | 0 |
| Lack of committee meetings | 1 | 0 | 7 | N/a | N/a |
| Failure to carry out advocacy | 0 | 7 | 0 | 90 | 1 |
| Failure to carry out mobilization | 0 | 7 | 0 | 90 | 1 |
| Failure to carry out mobilization outreaches | 0 | 7 | 0 | 90 | 1 |

From the foregoing, the coordination of various players in Covid-19 Vaccine roll out may not have been complied with in Busia County.

3.8 Monitoring and Supervision

3.8.1 Monitoring and Supervision at the County and Facilities Level

The Covid-19 Vaccination should be monitored and supervised to ensure smooth implementation of policy and guidelines issued from time to time.

Review of documents provided for audit at the Sub Counties and facilities level of Covid-19 management revealed anomalies as summarised below in Table 11 and detailed in Appendix 14, 15 and 16:

Table 11 - Monitoring at Sub Counties and Facilities

| Observation/Findings | Non-Compliance in County | Sub – Counties | | Facilities | |
|--|--------------------------|------------------|----------------------|------------------|----------------------|
| | | No. of Compliant | No. of non-Compliant | No. of Compliant | No. of non-Compliant |
| Lack of a designated officer as an in charge for monitoring Covid-19 vaccine roll out. | 0 | 7 | 0 | N/a | N/a |
| Were there terms of reference for the M&E committee? | 1 | 0 | 7 | N/a | N/a |
| Were there reports of the M & E committee | 1 | 0 | 7 | N/a | N/a |
| Are the recommendation of the monitoring and evaluation team implemented? | 1 | 0 | 7 | N/a | N/a |
| Lack tablets from the Ministry | 0 | 7 | 0 | 54 | 37 |
| Tablet not in good working conditions | 0 | 5 | 2 | 41 | 50 |
| Personnel involved in the rollout not facilitated by airtime | 0 | 7 | 0 | 52 | 39 |
| Lack of mechanism/measures where patients could report adverse effect after vaccination. | 0 | 7 | 0 | 91 | 0 |
| Lack of Adverse effect booklet etc. that are required to report adverse effects | 0 | 7 | 0 | 79 | 12 |
| Failure to monitor temperature during transportation of vaccines | 0 | 6 | 1 | 23 | 68 |
| Failure to record temperature every morning and evening in the temperature monitoring chart/tool | 0 | 7 | 0 | 91 | 0 |
| Failure to monitor for the expiry of the vaccines? | 0 | 7 | 0 | 91 | 0 |
| Failure to monitored the Pfizer and Moderna vaccines for the 30 days expiry period after thawing | 0 | 7 | 0 | 86 | 5 |

In view of the above, 1 out of 7 sub county stores and 68 out of 91 facilities failed to monitor temperature during transportation of vaccines and as a result, it was not possible to ascertain temperature deviations with the acceptable standards set by WHO.

3.8.2 Breakdown of Computer Tablets and Lack of Data Bundles

From the distribution lists provided for audit, it was observed that a total of 103 tablets were distributed to various sub counties and vaccinating facilities, for use in the recording of vaccine receipts and administration.

It was observed that 7 Sub county stores had each received tablets from MOH and five (5) were in good working condition. Similarly, 54 facilities had received tablets. Of the 54 facilities, 41 facilities reported their tablets as functional and being put into use, thus the balance of 13 facilities having faulty tablets. In addition, it was noted that there were no tablets in 37 facilities. 39 of the 91 vaccinating facilities indicated not having received the monthly airtime.

Non-availability of tablets and failure to repair or replace the broken tablets and non-facilitation of airtime, resulted to manual recording of vaccination details. Further, information was not captured in the Chanjo system on a timely basis resulting to a gap in reporting and ultimately monitoring.

From the foregoing, inaccuracy of information on the quantity of doses held by the various sub counties in the Chanjo system, inaccuracy of receipted and issued doses and the inaccurate reported cases of number of people vaccinated, pointed to an inadequacy on coordination between the four levels of Covid -19 management.

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

Irregularities and Weaknesses at the County and Sub County Level

The following irregularities and weaknesses and corresponding recommendations were observed by the Special Audit team at Busia County:


Table 12- Irregularities and Weaknesses

| | Irregularities and Weaknesses | Recommendations |
|----|---|--|
| 1 | The sub county stores were indicating to have issued vaccines to the facilities while they were still holding them in stores. | The data should be input into the Chanjo system on a real time or near real time basis |
| 2 | Inadequate personnel at the vaccinating facilities | Enhance human capital resource in the facilities. |
| 3 | Poor record keeping in management of vaccines at both the store and the facilities. | Have records keeping personnel at the facilities. |
| 4 | Non recording of expired, wasted and damaged vaccines | Record all the expired, wasted and damaged vaccines in the Chanjo System |
| 5 | Lack of a county budget on Covid-19 programs and action plans. | The county should have a budget specifically for managing Covid-19 action plans. |
| 6 | Non-facilitation of the teams at facilities and sub counties with airtime, internet bundles, and subsistence allowances. | Management should ensure teams participating in the vaccination program are adequately facilitated to enable them perform their functions effectively. |
| 7 | Expired vaccines being continued to be stored in the fridges beyond the 30 days period after thawing. This poses the risk of expired vaccines being administered. | Constant upward and downward communication on expired doses with periodic collection of expired doses. |
| 8 | Insufficient and / or Dilapidated storage rooms | Undertake routine assessment and maintenance of storage rooms capacity, |
| 9 | Insufficient/ faulty Cold Chain equipment (refrigerators) | Increase and/ or routine maintenance of cold chain equipment |
| 10 | Lack of monitoring and evaluation committee | Set up monitoring and evaluation Committee at the County and Sub County levels |
| 12 | Lack of temperature tags during transportation | Put in place temperature tags during the transportation of vaccines. |
| 13 | Expired license for County incinerator | Renewal the expired County incinerator license |

5.0 CONCLUSION

The objective of the Special Audit was to determine the efficiency and effectiveness of the Covid-19 vaccine roll out in Busia County. Following the findings, the County should ensure that all vaccinating facilities are defined in the Chanjo System and effective supervision is carried out in the activities at the County, Sub County and facilities on all matters relating to vaccines receipts, issues and administering of vaccines. The above weaknesses resulted in an unexplained deficit variance of 54,124 vaccine doses valued at Kshs. 33,078,332, based on the average vaccine cost during the period.

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


CPA Nancy Gathungu, CBS
AUDITOR-GENERAL

24 June, 2022

Nairobi

6.0 APPENDICES

Appendix 1: Vaccinating Facilities in Busia County

| Sub County | Sub County Store | Facility | Defined in Chanjo System |
|--------------------|--------------------------------|--------------------------------|--------------------------|
| Matayos Sub County | Busia County Referral Hospital | Busia County Referral Hospital | Yes |
| | | Muyafwa Dispensary | No |
| | | Nasewa Health Centre | No |
| | | Esikuli Dispensary | No |
| | | Munongo Dispensary | No |
| | | Busibwabo Dispensary | No |
| | | G.K Prisons Dispensary | No |
| | | Nasira Dispensary | No |
| | | Bukalama Dispensary | No |
| | | Burumba Dispensary | No |
| | | Mayenje Dispensary | No |
| | | Buyosi Dispensary | No |
| | | | Trailer Park Dispensary |
| | Matayos Health Centre | No | |
| Nambale Sub County | Nambale Sub County Hospital | Nambale Sub County Hospital | Yes |
| | | Kapina Dispensary | No |
| | | Igara Dispensary | No |
| | | Khayo Dispensary | No |
| | | Lupida Health Centre | No |
| | | Lwanyange Dispensary | No |
| | | Madende Model Health Centre | No |
| | | Malanga Dispensary | No |
| | | Mundembu Dispensary | No |
| | | | |
| Butula Sub County | Khunyangu Sub County Hospital | Khunyangu Sub County Hospital | Yes |
| | | Bukhalalire Dispensary | No |
| | | Bumala A Health Centre | No |
| | | Bumala B Health Centre | No |
| | | Bumutiru Dispensary | No |
| | | Burinda Dispensary | No |
| | | Butula Mission Health Centre | No |
| | | Bwaliro Dispensary | No |
| | | Emafubu Dispensary | No |
| | | Ikonzo Dispensary | No |
| | | Masendebale Dispensary | No |
| | | Musibiriri Dispensary | No |
| | | Namusala Dispensary | No |
| | | Neela Dispensary | No |
| | | Sikarira Dispensary | No |
| | | Bukuyudi Dispensary | No |
| | | | Igula Dispensary |
| | St Peters Bulwani | No | |

| Sub County | Sub County Store | Facility | Defined in Chanjo System |
|-----------------------|-----------------------------------|-----------------------------------|--------------------------|
| Samia Sub County | Sio Port Sub County Hospital | Sio Port Sub County Hospital | Yes |
| | | Agenga Dispensary | No |
| | | Buduta Dispensary | No |
| | | Busembe Dispensary | No |
| | | Wakhungu Dispensary | No |
| | | Holy Family Nangina Dispensary | Yes |
| | | Namboboto Dispensary | No |
| | | Nambuku Model Health Centre | No |
| | | Namuduru Dispensary | No |
| | | Nangina Dispensary | No |
| | | Rumbiye Dispensary | No |
| | | Kabudo Dispensary | No |
| | | Mukonjo Dispensary | No |
| Bunyala Sub-County | Port Victoria Sub County Hospital | Port Victoria Sub County Hospital | Yes |
| | | Budalangi Dispensary | No |
| | | Bulwani Dispensary | No |
| | | Busagwa Dispensary | No |
| | | Khajula Dispensary | No |
| | | Mukhobola Health Centre | No |
| | | Sisenye Dispensary | No |
| | | Osieko Dispensary | No |
| | | St. Jude Sirimba Dispensary | No |
| | | Rukala Model Health Centre | No |
| Teso South Sub County | Alupe Sub county Hospital | Alupe Sub county Hospital | Yes |
| | | Akiriamasi Dispensary | No |
| | | Akobwatt Dispensary | No |
| | | Amaase Dispensary | No |
| | | Among'ura Community Dispensary | No |
| | | Amukura Health Centre | No |
| | | Apatit Dispensary | No |
| | | Apokor Dispensary | No |
| | | Ochude Dispensary | No |
| | | Odengero Facility | No |
| | | Kotur Dispensary | No |
| | | Kwang'or Dispensary | No |
| | | Lukolis Model Health Centre | No |
| | | Moru Karisa Dispensary | No |
| | | Ngelechom Community Dispensary | No |
| | | Obekai Dispensary | No |
| | | Okook Dispensary | No |
| Teso North Sub County | Teso North Sub County Hospital | Teso North Sub County Hospital | Yes |
| | | Aboloi Dispensary | No |

| Sub County | Sub County Store | Facility | Defined in Chanjo System |
|------------|------------------|---------------------------|--------------------------|
| | | Akichelesit Dispensary | No |
| | | Ang'urai Health Centre | No |
| | | Changara (GOK) Dispensary | No |
| | | Akolong Dispensary | No |
| | | Kamolo Dispensary | No |
| | | Kamuriai Dispensary | No |
| | | Malaba Dispensary | No |
| | | Moding Health Centre | No |
| | | Aloet Dispensary | No |

Appendix 2: Budget at County and Sub County Level – Busia County

| County / Sub County | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Busia County | NO | YES | YES | YES | YES | NO | NO | YES |
| Matayos | NO | YES | YES | YES | YES | NO | NO | NO |
| Nambale | NO | YES | YES | YES | YES | NO | NO | NO |
| Bunyala | NO | YES | YES | YES | YES | NO | NO | NO |
| Butula | NO | YES | YES | YES | YES | NO | NO | NO |
| Samia | NO | YES | YES | YES | YES | NO | NO | NO |
| Teso North | NO | YES | YES | YES | YES | NO | NO | NO |
| Teso South | NO | YES | YES | YES | YES | NO | NO | NO |
| Compliant | 0 | 7 | 7 | 7 | 7 | 0 | 0 | 0 |
| Non-Compliant | 7 | 0 | 0 | 0 | 0 | 7 | 7 | 7 |

KEY/DETAILS:

| | |
|-----------|--|
| B1 | Was 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 Sub County/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 Sub County Level - Busia County

| Sub County | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 | S11 | S12 | S13 | S14 | S15 | S16 | S17 | S18 | S19 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Matayos | YES | NO | YES | YES | NO | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES | YES | YES | YES |
| Nambale | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| Bunyala | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES |
| Butula | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES |
| Samia | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES |
| Teso North | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | NO | NO | YES | YES | YES |
| Teso South | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES |
| Compliant | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 2 | 0 | 5 | 7 | 6 | 5 | 7 | 7 | 7 |
| Non-Compliant | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | 2 | 0 | 1 | 2 | 0 | 0 | 0 |

KEY/DETAILS:

| | |
|------------|---|
| S1 | Does the building have sufficient security to prevent loss of Covid -19 vaccines 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 FIFE 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 can't 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 not exceeding 30 °C, and relative humidity not exceeding 75% Relative humidity (WHO zone IV 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 | Dose 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 - Busia County

| Sub County | Facility | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 | ST13 |
|------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| Matayos | Busia County Referral Hospital | YES | YES | NO | YES | YES | NO | YES | YES | NO | NO | YES | YES | YES |
| | Muyafwa Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Nasewa Health Centre | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Esikuli Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Munongo Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES |
| | Busibwabo Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | G.K Prisons Dispensary | NO | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Nasira Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Bukalama Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Burumba Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Mayenje Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Buyosi Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | NO |
| | Trailer Park Dispensary | NO | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Matayos Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| Nambale | Nambale Sub County Hospital | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Kapina Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Igara Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Khayo Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Lupida Health Centre | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES |
| | Lwanyange Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Madende Model Health Centre | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Malanga Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Mundembu Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Bunyala | Port Victoria Sub County Hospital | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a |
| | Budalangi Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Bulwani Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Busagwa Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Khajula Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Mukhobola Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Sisenye Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |

| Sub County | Facility | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 | ST13 |
|------------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| | Osieko Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | St. Jude Sirimba Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Rukala Model Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| Butula | Khunyangu Sub County Hospital | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Bukhalalire Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Bumala A Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Bumala B Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Bumuturu Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Burinda Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Butula Mission Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Bwaliro Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Emafubu Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES |
| | Ikonzo Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Masendebale Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Musibiriri Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Namusala Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Neela Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Sikarira Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES |
| | Bukuyudi Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | NO |
| | Igula Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | St Peters Bulwani | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES |
| Samia | Sio Port Sub County Hospital | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Agenga Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Buduta Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Busembe Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Wakhungu Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Holy Family Nangina Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Namboboto Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Nambuku Model Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Namuduru Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Nangina Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Rumbiye Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |

| Sub County | Facility | ST1 | ST2 | ST3 | ST4 | ST5 | ST6 | ST7 | ST8 | ST9 | ST10 | ST11 | ST12 | ST13 |
|------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Kabudo Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Mukonjo Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| Teso North | Teso North Sub County Hospital | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Aboloi Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Akichelesit Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Ang'urai Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Changara (GOK) Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Akolong Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Kamolo Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES |
| | Kamuriai Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Malaba Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Moding Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Aloet Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| Teso South | Alupe Sub county Hospital | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Akiriamasi Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Akobwatt Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Amaase Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Among'ura Community Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | NO | YES | YES | YES |
| | Amukura Health Centre | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Apatit Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Apokor Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Ochude Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Odengero Facility | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES |
| | Kotur Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Kwang'or Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Lukolis Model Health Centre | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Moru Karisa Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Ngelechom Community Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Obekai Dispensary | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Okook Dispensary | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES |
| | Compliant | 89 | 91 | 90 | 91 | 18 | 90 | 91 | 91 | 42 | 37 | 91 | 91 | 89 |
| | Non- Compliant | 2 | 0 | 1 | 0 | 73 | 1 | 0 | 0 | 49 | 54 | 0 | 0 | 2 |

KEY/DETAILS:

| | |
|-------------|---|
| ST1 | Is the refrigerator well secured to prevent unauthorized access? |
| ST2 | Were broken or damaged items withdrawn from usable stock and stored separately? |
| ST3 | Is there sufficient lighting necessary to enable all operations to be carried out accurately and safely? |
| ST4 | Are all Covid -19 vaccines (Fridge) stored off the floor? |
| ST5 | Is the Refrigerator is fitted with signals to indicate that refrigeration has failed?(The signal should permit resetting only by the authorized person.) |
| ST6 | Are the vaccines issued on a FIFO method and guided by the expiry date? |
| ST7 | Is there a contingency plan in case of power failure, equipment breakdown, or cold chain breach |
| ST8 | Are there measures to ensure that rejected vaccines cannot be used? (They should be stored separately from other products while awaiting destruction or return to the supplier) |
| ST9 | Are there Written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas (There should be a chart on the wall that is signed after every cleaning and a poster giving cleaning instructions) |
| ST10 | Are there appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination? |
| ST11 | Are the storage conditions of the refrigerators per the vaccine manufacturer's recommendations? (Refrigerated (2°C to 8°C) |
| ST12 | Is there Continuous temperature monitoring devices? If YES, are there Written procedures describing the action in case of temperature deviating outside of the set standards and conditions? |
| ST13 | Have you carried out Physical count of Doses in the cold room (Grouped per vaccine and Batch No.) |

Appendix 5: Receipts at Busia County Facilities as at 31 March 2022

| Vaccine | Sub County | Facilities | Total |
|----------------------|-----------------------|---------------------------------------|--------------|
| Janssen (Ad26.CO2-S) | Teso South Sub County | Alupe Sub County Hospital | 18,870 |
| | Matayos Sub County | Busia County Referral Hospital | 14,350 |
| | Samia Sub County | Holly Family Nangina Mission Hospital | 300 |
| | Butula Sub County | Khunyangu Sub County Hospital | 13,100 |

| Vaccine | Sub County | Facilities | Total |
|------------------------------------|-----------------------|---------------------------------------|----------------|
| | Nambale Sub County | Nambale Sub County Hospital | 11,250 |
| | Bunyala Sub County | Port Victoria Sub County Hospital | 9,200 |
| | Samia Sub County | Sio Port Sub County Hospital | 8,100 |
| | Teso North Sub County | Teso North Sub County Hospital | 15,500 |
| Janssen (Ad26.COv2-S) Total | | | 90,670 |
| Moderna | Teso South Sub County | Alupe Sub County Hospital | 4,530 |
| | Matayos Sub County | Busia County Referral Hospital | 14,300 |
| | Samia Sub County | Holly Family Nangina Mission Hospital | 1,290 |
| | Butula Sub County | Khunyangu Sub County Hospital | 6,220 |
| | Nambale Sub County | Nambale Sub County Hospital | 4,960 |
| | Bunyala Sub County | Port Victoria Sub County Hospital | 2,430 |
| | Samia Sub County | Sio Port Sub County Hospital | 4,640 |
| | Teso North Sub County | Teso North Sub County Hospital | 4,130 |
| Moderna Total | | | 42,500 |
| Oxford/AstraZeneca | Teso South Sub County | Alupe Sub County Hospital | 22,204 |
| | Matayos Sub County | Busia County Referral Hospital | 50,538 |
| | Samia Sub County | Holly Family Nangina Mission Hospital | 2,596 |
| | Butula Sub County | Khunyangu Sub County Hospital | 30,580 |
| | Nambale Sub County | Nambale Sub County Hospital | 17,550 |
| | Bunyala Sub County | Port Victoria Sub County Hospital | 16,380 |
| | Siaya County | Siaya County Referral Hospital | 500 |
| | Samia Sub County | Sio Port Sub County Hospital | 16,076 |
| | Teso North Sub County | Teso North Sub County Hospital | 20,200 |
| Oxford/AstraZeneca Total | | | 176,624 |
| Pfizer | Teso South Sub County | Alupe Sub County Hospital | 19,358 |
| | Matayos Sub County | Busia County Referral Hospital | 38,874 |
| | Samia Sub County | Holly Family Nangina Mission Hospital | 402 |
| | Butula Sub County | Khunyangu Sub County Hospital | 17,334 |
| | Nambale Sub County | Nambale Sub County Hospital | 14,526 |

| Vaccine | Sub County | Facilities | Total |
|---------------------|-----------------------|-----------------------------------|----------------|
| | Bunyala Sub County | Port Victoria Sub County Hospital | 11,740 |
| | Samia Sub County | Sio Port Sub County Hospital | 16,044 |
| | Teso North Sub County | Teso North Sub County Hospital | 14,262 |
| Pfizer Total | | | 132,540 |
| Grand Total | | | 442,334 |

Appendix 6: Utilization at Busia County Facilities as at 31 March 2022

| Vaccine | Facility | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damaged and disposed | Wastage and disposed | Unexplained Variance |
|---------------------------|--|----------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Janssen (Ad26.COVID-19-S) | Busia County Store | 17,930 | - | 17,800 | - | - | - | 130 |
| | Alupe Sub County Hospital | 18,870 | 6,872 | 6,163 | - | - | - | 5,835 |
| | Busia County Referral Hospital | 14,350 | 9,682 | 5,171 | - | - | - | (503) |
| | Holly Family Nangina Mission Hospital | 600 | 621 | 226 | - | - | - | (247) |
| | Khunyangu Sub County Hospital | 13,100 | 5,513 | 3,257 | - | - | - | 4,330 |
| | Nambale Sub County | 11,250 | 7,471 | 1,711 | (39) | - | - | 2,107 |
| | Port Victoria Sub County Hospital | 9,200 | 5,688 | 2,936 | - | - | - | 576 |
| | Sio Port Sub County Hospital | 7,800 | 4,104 | 3,579 | 629 | - | - | (512) |
| | Teso North Sub County Hospital | 15,500 | 12,044 | 3,278 | - | - | - | 178 |
| | Janssen (Ad26.COVID-19-S) Total | | 108,600 | 51,995 | 44,121 | 590 | - | - |
| Oxford/AstraZeneca | Alupe Sub County Hospital | 22,204 | 14,397 | 1 | 60 | 10 | 8,395 | (659) |
| | Busia County Referral Hospital | 50,538 | 37,447 | 4,149 | - | - | 11,910 | (2,968) |
| | Holly Family Nangina Mission Hospital | 2,596 | 4,751 | 100 | 333 | - | 24 | (2,612) |
| | Khunyangu Sub County Hospital | 30,580 | 20,343 | (1,000) | 10 | - | 5,390 | 5,837 |
| | Nambale Sub County | 17,550 | 13,698 | (1,000) | 125 | - | 4,270 | 457 |
| | Port Victoria Sub County Hospital | 16,380 | 9,186 | 7 | - | - | 4,350 | 2,837 |
| | Sio Port Sub County Hospital | 16,076 | 9,568 | 524 | 972 | - | 2,240 | 2,772 |
| | Teso North Sub County Hospital | 20,200 | 13,619 | (1,770) | - | - | 2,190 | 6,161 |
| | Siaya County | 500 | - | - | - | - | 0 | - |
| | Oxford/AstraZeneca Total | | 176,624 | 123,009 | 1,011 | 1,500 | 10 | 38,769 |
| Moderna | Alupe Sub County Hospital | 4,530 | 3,543 | - | - | - | 0 | 987 |
| | Busia County Referral Hospital | 14,260 | 10,171 | - | - | - | 0 | 4,089 |

| Vaccine | Facility | Receipts | Vaccinations Administered | Total Physical Count | Expired and Disposed | Damaged and disposed | Wastage and disposed | Unexplained Variance |
|----------------------|---------------------------------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | Holly Family Nangina Mission Hospital | 1,488 | 1,905 | - | - | - | 327 | (417) |
| | Khunyangu Sub County Hospital | 6,220 | 4,962 | 300 | 11 | - | 0 | 947 |
| | Nambale Sub County | 4,510 | 3,359 | (520) | 345 | - | 0 | 1,326 |
| | Port Victoria Sub County Hospital | 3,060 | 2,228 | (2) | - | - | 0 | 834 |
| | Sio Port Sub County Hospital | 4,022 | 2,623 | 222 | 187 | - | 0 | 663 |
| | Teso North Sub County Hospital | 4,410 | 3,566 | - | - | - | 0 | 844 |
| Moderna Total | | 42,500 | 32,357 | - | 543 | - | 327 | 9,273 |
| Pfizer | Alupe Sub County Hospital | 19,358 | 15,239 | 621 | - | - | 1,896 | 1,602 |
| | Busia County Referral Hospital | 38,874 | 21,354 | 3,904 | - | - | 1,800 | 11,816 |
| | Holly Family Nangina Mission Hospital | 1,260 | 3,081 | (45) | - | - | - | (1,776) |
| | Khunyangu Sub County Hospital | 17,334 | 15,188 | 1,464 | - | - | 366 | 316 |
| | Nambale Sub County | 14,526 | 11,414 | (1,571) | 546 | - | 1,932 | 2,205 |
| | Port Victoria Sub County Hospital | 11,740 | 8,045 | 566 | - | - | 1,114 | 2,015 |
| | Sio Port Sub County Hospital | 15,186 | 11,074 | (213) | 40 | - | 1,036 | 3,249 |
| | Teso North Sub County Hospital | 14,262 | 11,489 | 786 | - | - | 282 | 1,705 |
| Pfizer Total | | 132,540 | 96,884 | 5,512 | 586 | - | 8,426 | 21,132 |
| Grand Total | | 460,264 | 304,245 | 50,644 | 3,219 | 10 | 47,522 | 54,124 |

Appendix 7: Disposal at County and Sub County Level - Busia County

| County/ Sub County | D1 | D2 | D3 | D4 | D5 | D6 | D7 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|
| Busia County | YES | NO | YES | NO | YES | NO | YES |
| Matayos | YES | NO | YES | NO | YES | NO | YES |
| Nambale | YES | NO | YES | NO | YES | NO | YES |
| Bunyala | YES | NO | YES | NO | YES | NO | YES |
| Butula | YES | NO | YES | NO | YES | NO | YES |
| Samia | YES | NO | YES | NO | YES | NO | YES |
| Teso North | YES | NO | YES | NO | YES | NO | YES |
| Teso South | YES | NO | YES | NO | YES | NO | YES |
| Compliant | 8 | 0 | 8 | 0 | 8 | 0 | 8 |
| Non-Compliant | 0 | 8 | 0 | 8 | 0 | 8 | 0 |

KEY/DETAILS:

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

Appendix 8: Disposal at Facility Level - Busia County

| Sub County | Facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Matayos | Busia County Referral Hospital | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Muyafwa Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Nasewa Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Esikuli Dispensary | YES | NO | YES | YES | NO | YES | NO | NO | YES | YES | YES | NO |
| | Munongo Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Busibwabo Dispensary | YES | NO | YES | YES | NO | YES | NO | NO | YES | YES | YES | NO |
| | G.K Prisons Dispensary | YES | NO | YES | YES | NO | YES | NO | NO | YES | YES | YES | NO |
| | Nasira Dispensary | YES | NO | YES | YES | NO | YES | NO | NO | YES | YES | YES | NO |
| | Bukalama Dispensary | YES | NO | YES | YES | NO | YES | NO | NO | YES | YES | YES | NO |
| | Burumba Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Mayenje Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Buyosi Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Trailer Park Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Matayos Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| Nambale | Nambale Sub County Hospital | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Kapina Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Igara Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Khayo Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Lupida Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Lwanyange Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Madende Model Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Malanga Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Mundembu Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| Bunyala | Port Victoria Sub County Hospital | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a |
| | Budalangi Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Bulwani Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Busagwa Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |

| Sub County | Facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|------------|-------------------------------|-----|----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|
| | Khajula Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Mukhobola Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Sisenye Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Osieko Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | St. Jude Sirimba Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Rukala Model Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| Butula | Khunyangu Sub County Hospital | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Bukhalalire Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Bumala A Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Bumala B Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Bumutiru Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Burinda Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Butula Mission Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Bwaliro Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Emafubu Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Ikonzo Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Masendebale Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Musibiriri Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Namusala Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Neela Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Sikarira Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Bukyudi Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Igula Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | St Peters Bulwani | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| Samia | Sio Fort Sub County Hospital | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Agenga Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Buduta Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Busembe Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Wakhungu Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |

| Sub County | Facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|------------|---------------------------------|-----|----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|
| | Holly Family Nangina Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Namboboto Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Nambuku Model Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | NO | YES | NO |
| | Namduru Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Nangina Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Rumbiye Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Kabudo Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Mukonjo Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| Teso North | Teso North Sub County Hospital | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Aboloi Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Akichelesit Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Ang'urai Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Changara (GOK) Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Akolong Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Kamolio Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Kamurai Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Malaba Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Moding Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Aloet Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| Teso South | Alupe Sub county Hospital | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Akiriamasi Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Akobwatt Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Amaase Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Among'ura Community Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Amkura Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Apatit Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Apokor Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Ochude Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Odengero Facility | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |

| Sub County | Facility | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
|------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Kotur Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Kwang'or Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Lukolis Model Health Centre | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Moru Karisa Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Ngelechom Community Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Obekai Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Okook Dispensary | YES | NO | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO |
| | Compliant | 91 | 0 | 91 | 91 | 86 | 91 | 0 | 0 | 91 | 90 | 91 | 0 |
| | Non- Compliant | 0 | 91 | 0 | 0 | 5 | 0 | 91 | 91 | 0 | 1 | 0 | 91 |

KEY/DETAILS:

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

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

Appendix 9: HR at County and Sub County Level - Busia County

| County/ Sub County | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 | HR7 |
|---------------------------|------------|------------|------------|------------|------------|------------|------------|
| Busia County | YES | YES | YES | NO | NO | YES | YES |
| Matayos | YES | YES | YES | NO | NO | YES | YES |
| Nambale | YES | YES | YES | NO | NO | YES | YES |

| County/ Sub County | HR1 | HR2 | HR3 | HR4 | HR5 | HR6 | HR7 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|
| Bunyala | YES | YES | YES | NO | NO | YES | YES |
| Butula | YES | YES | YES | NO | NO | YES | YES |
| Samia | YES | YES | YES | NO | NO | YES | YES |
| Teso North | YES | YES | YES | NO | NO | YES | YES |
| Teso South | YES | YES | YES | NO | NO | YES | YES |
| Compliant | 8 | 8 | 8 | 0 | 0 | 8 | 8 |
| Non-Compliant | 0 | 0 | 0 | 8 | 8 | 0 | 0 |

KEY/DETAILS:

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

Appendix 10: HR at Facility Level - Busia County

| Sub County | Facility | HR1 | HR 2 | HR 3 | HR 4 | HR 5 | HR 6 |
|------------|--------------------------------|-----|------|------|------|------|------|
| Matayos | Busia County Referral Hospital | YES | YES | YES | YES | YES | YES |
| | Muyafwa Dispensary | YES | YES | YES | YES | YES | NO |

| Sub County | Facility | HR1 | HR 2 | HR 3 | HR 4 | HR 5 | HR 6 |
|------------|-----------------------------------|-----|------|------|------|------|------|
| | Nasewa Health Centre | YES | YES | YES | YES | YES | NO |
| | Esikuli Dispensary | YES | YES | YES | YES | YES | YES |
| | Munongo Dispensary | YES | NO | YES | YES | YES | NO |
| | Busibwabo Dispensary | YES | YES | YES | YES | YES | NO |
| | G.K Prisons Dispensary | YES | YES | YES | YES | YES | YES |
| | Nasira Dispensary | YES | YES | NO | YES | YES | NO |
| | Bukalama Dispensary | YES | YES | NO | YES | YES | NO |
| | Burumba Dispensary | YES | YES | YES | YES | YES | YES |
| | Mayenje Dispensary | YES | YES | YES | YES | YES | NO |
| | Buyosi Dispensary | YES | YES | YES | YES | YES | YES |
| | Trailer Park Dispensary | YES | YES | NO | YES | YES | NO |
| | Matayos Health Centre | YES | YES | YES | YES | YES | YES |
| Nambale | Nambale Sub County Hospital | YES | YES | YES | YES | YES | YES |
| | Kapina Dispensary | YES | YES | YES | YES | YES | YES |
| | Igara Dispensary | YES | NO | YES | YES | YES | NO |
| | Khayo Dispensary | YES | YES | YES | YES | YES | YES |
| | Lupida Health Centre | YES | YES | YES | YES | YES | NO |
| | Lwanyange Dispensary | YES | YES | YES | YES | YES | YES |
| | Madende Model Health Centre | YES | YES | YES | YES | YES | YES |
| | Malanga Dispensary | YES | YES | YES | YES | YES | YES |
| | Mundembu Dispensary | YES | YES | YES | YES | YES | YES |
| Bunyala | Port Victoria Sub County Hospital | N/a | N/a | N/a | N/a | N/a | N/a |
| | Budalangi Dispensary | YES | NO | YES | YES | YES | NO |
| | Bulwani Dispensary | YES | NO | YES | YES | YES | NO |
| | Busagwa Dispensary | YES | NO | YES | YES | YES | NO |
| | Khajula Dispensary | YES | NO | YES | YES | YES | NO |
| | Mukhobola Health Centre | YES | NO | YES | YES | YES | NO |
| | Sisenye Dispensary | YES | NO | YES | YES | YES | NO |
| | Osieko Dispensary | YES | NO | YES | YES | YES | NO |

| Sub County | Facility | HR1 | HR 2 | HR 3 | HR 4 | HR 5 | HR 6 |
|------------|--------------------------------|-----|------|------|------|------|------|
| | St. Jude Sirimba Dispensary | YES | NO | YES | YES | YES | NO |
| | Rukala Model Health Centre | YES | NO | YES | YES | YES | NO |
| Butula | Khunyangu Sub County Hospital | NO | YES | YES | YES | YES | NO |
| | Bukhalalire Dispensary | YES | YES | YES | YES | YES | NO |
| | Bumala A Health Centre | YES | NO | NO | YES | YES | NO |
| | Bumala B Health Centre | YES | NO | NO | YES | YES | NO |
| | Bumutiru Dispensary | YES | YES | NO | YES | YES | NO |
| | Burinda Dispensary | YES | YES | YES | YES | YES | NO |
| | Butula Mission Health Centre | YES | YES | YES | YES | YES | YES |
| | Bwaliro Dispensary | YES | NO | NO | YES | YES | NO |
| | Emafubu Dispensary | YES | NO | YES | YES | YES | NO |
| | Ikonzo Dispensary | YES | YES | YES | YES | YES | NO |
| | Masendebale Dispensary | YES | NO | YES | YES | YES | NO |
| | Musibiriri Dispensary | YES | NO | YES | YES | YES | NO |
| | Namusala Dispensary | YES | NO | NO | YES | YES | YES |
| | Neela Dispensary | YES | YES | YES | YES | YES | NO |
| | Sikarira Dispensary | YES | NO | NO | YES | YES | YES |
| | Bukuyudi Dispensary | YES | NO | YES | YES | YES | NO |
| | Igula Dispensary | YES | YES | YES | YES | YES | NO |
| | St Peters Bulwani | YES | NO | YES | YES | YES | NO |
| Samia | Sio Port Sub County Hospital | YES | NO | YES | YES | YES | NO |
| | Agenga Dispensary | YES | NO | YES | YES | YES | NO |
| | Buduta Dispensary | NO | NO | YES | YES | YES | NO |
| | Busembe Dispensary | NO | NO | YES | YES | YES | NO |
| | Wakhungu Dispensary | YES | NO | YES | YES | YES | NO |
| | Holy Family Nangina Dispensary | YES | NO | YES | YES | YES | YES |
| | Namboboto Dispensary | NO | NO | YES | YES | YES | NO |
| | Nambuku Model Health Centre | NO | NO | YES | YES | YES | NO |
| | Namuduru Dispensary | YES | YES | YES | YES | YES | YES |

| Sub County | Facility | HR1 | HR 2 | HR 3 | HR 4 | HR 5 | HR 6 |
|------------|--------------------------------|-----|------|------|------|------|------|
| | Nangina Dispensary | YES | YES | YES | YES | YES | YES |
| | Rumbiye Dispensary | YES | YES | YES | YES | YES | NO |
| | Kabudo Dispensary | YES | NO | YES | YES | YES | NO |
| | Mukonjo Dispensary | NO | NO | NO | YES | YES | NO |
| Teso North | Teso North Sub County Hospital | YES | YES | YES | YES | YES | NO |
| | Aboloi Dispensary | YES | YES | YES | YES | YES | YES |
| | Akichelesit Dispensary | YES | NO | YES | YES | YES | NO |
| | Ang'urai Health Centre | YES | YES | YES | YES | YES | YES |
| | Changara (GOK) Dispensary | YES | YES | YES | YES | YES | NO |
| | Akolong Dispensary | YES | YES | YES | YES | YES | NO |
| | Kamolo Dispensary | YES | NO | YES | YES | YES | NO |
| | Kamuriai Dispensary | YES | NO | YES | YES | YES | NO |
| | Malaba Dispensary | YES | YES | YES | YES | YES | NO |
| | Moding Health Centre | YES | YES | YES | YES | YES | YES |
| | Aloet Dispensary | YES | NO | YES | YES | YES | NO |
| Teso South | Alupe Sub county Hospital | YES | YES | YES | YES | YES | YES |
| | Akiriarnasi Dispensary | YES | YES | YES | YES | YES | NO |
| | Akobwatt Dispensary | YES | NO | YES | YES | YES | YES |
| | Amaase Dispensary | YES | YES | YES | YES | YES | YES |
| | Among'ura Community Dispensary | YES | YES | YES | YES | YES | YES |
| | Amukura Health Centre | YES | YES | YES | YES | YES | YES |
| | Apatit Dispensary | YES | NO | YES | YES | YES | YES |
| | Apokor Dispensary | YES | NO | YES | YES | YES | YES |
| | Ochude Dispensary | YES | YES | YES | YES | YES | NO |
| | Odengero Facility | NO | NO | YES | YES | YES | NO |
| | Kotur Dispensary | YES | NO | YES | YES | YES | NO |
| | Kwang'or Dispensary | YES | NO | YES | YES | YES | YES |
| | Lukolis Model Health Centre | YES | NO | YES | YES | YES | NO |
| | Moru Karisa Dispensary | YES | NO | YES | YES | YES | YES |

| Sub County | Facility | HR1 | HR 2 | HR 3 | HR 4 | HR 5 | HR 6 |
|------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Ngelechom Community Dispensary | YES | NO | YES | YES | YES | NO |
| | Obekai Dispensary | YES | NO | YES | YES | YES | YES |
| | Okook Dispensary | YES | NO | YES | YES | YES | NO |
| | Compliant | 84 | 45 | 81 | 91 | 91 | 32 |
| | Non- Compliant | 7 | 46 | 10 | 0 | 0 | 59 |

KEY/DETAILS:

| | |
|------------|--|
| HR1 | Did the facility have adequate staff to carry out the Covid -19 vaccination (See guide from 5.1 below) |
| HR2 | Did these staff have separation of roles and if not was the staff trained to handle other roles? (See guide from 5.1 below) |
| HR3 | Were health Care Workers (HCW) trained before commencement of Covid -19 Vaccination at the facility? (HCW should be trained before being issued with vaccines. Compare date of training with the date the first doze of vaccine were received) |
| 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? I.e. CHV with Job Description of Trained on Mobilization, Awareness creation |

Appendix 11: Coordination of Players at County Level - Busia County

| County | CP1 | CP2 | CP3 | CP4 | CP5 | CP6 | CP7 | CP8 | CP9 |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Busia County | YES | NO | NO | YES | YES | NO | YES | YES | YES |

| | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|
| Compliant | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 |
| Non-Compliant | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |

KEY/DETAILS:

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

Appendix 12: Coordination of Players at Sub County Level - Busia County

| Sub County | CP1 | CP2 | CP3 | CP4 | CP5 | CP6 | CP7 | CP8 | CP9 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Matayos | YES | NO | NO | YES | YES | NO | YES | YES | YES |
| Nambale | YES | NO | NO | YES | YES | NO | YES | YES | YES |
| Bunyala | YES | NO | NO | YES | YES | NO | YES | YES | YES |
| Butula | YES | NO | NO | YES | YES | NO | YES | YES | YES |
| Samia | YES | NO | NO | YES | YES | NO | YES | YES | YES |
| Teso North | YES | NO | NO | YES | YES | NO | YES | YES | YES |
| Teso South | YES | NO | NO | YES | YES | NO | YES | YES | YES |
| Compliant | 7 | 0 | 0 | 7 | 7 | 0 | 7 | 7 | 7 |
| Non-Compliant | 0 | 7 | 7 | 0 | 0 | 7 | 0 | 0 | 0 |

KEY/DETAILS:

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

Appendix 13: Coordination at Facility Level – Busia County

| Sub County | Facility | CP1 | CP2 | CP3 | CP4 | CP5 |
|------------|-----------------------------------|-----|-----|-----|-----|-----|
| Matayos | Busia County Referral Hospital | YES | YES | YES | YES | YES |
| | Muyafwa Dispensary | YES | YES | YES | YES | YES |
| | Nasewa Health Centre | YES | YES | YES | YES | YES |
| | Esikuli Dispensary | YES | YES | YES | YES | YES |
| | Munongo Dispensary | YES | YES | YES | YES | YES |
| | Busibwabo Dispensary | YES | YES | YES | YES | YES |
| | G.K Prisons Dispensary | YES | YES | YES | YES | YES |
| | Nasira Dispensary | YES | YES | YES | YES | YES |
| | Bukalama Dispensary | YES | YES | YES | YES | YES |
| | Burumba Dispensary | YES | YES | YES | YES | YES |
| | Mayenje Dispensary | YES | YES | YES | YES | YES |
| | Buyosi Dispensary | YES | YES | YES | YES | YES |
| | Trailer Park Dispensary | YES | YES | NO | NO | NO |
| | Matayos Health Centre | YES | YES | YES | YES | YES |
| Nambale | Nambale Sub County Hospital | YES | YES | YES | YES | YES |
| | Kapina Dispensary | YES | YES | YES | YES | YES |
| | Igara Dispensary | YES | YES | YES | YES | YES |
| | Khayo Dispensary | YES | YES | YES | YES | YES |
| | Lupida Health Centre | YES | YES | YES | YES | YES |
| | Lwanyange Dispensary | YES | YES | YES | YES | YES |
| | Madende Model Health Centre | YES | YES | YES | YES | YES |
| | Malanga Dispensary | YES | YES | YES | YES | YES |
| | Mundumbu Dispensary | YES | YES | YES | YES | YES |
| | Port Victoria Sub County Hospital | N/a | N/a | N/a | N/a | N/a |
| | Budalangi Dispensary | YES | YES | YES | YES | YES |
| | Bulwani Dispensary | YES | YES | YES | YES | YES |
| | Busagwa Dispensary | YES | YES | YES | YES | YES |

| | | | | | | |
|------------|-------------------------------|-----|-----|-----|-----|-----|
| Sub County | Facility | CP1 | CP2 | CP3 | CP4 | CP5 |
| | Khajula Dispensary | YES | YES | YES | YES | YES |
| | Mukhobola Health Centre | YES | YES | YES | YES | YES |
| | Sisenye Dispensary | YES | YES | YES | YES | YES |
| | Osteko Dispensary | YES | YES | YES | YES | YES |
| | St. Jude Sirimba Dispensary | YES | YES | YES | YES | YES |
| | Rukala Model Health Centre | YES | YES | YES | YES | YES |
| Butula | Khunyangu Sub County Hospital | YES | YES | YES | YES | YES |
| | Bukhalire Dispensary | YES | YES | YES | YES | YES |
| | Bumala A Health Centre | YES | YES | YES | YES | YES |
| | Bumala B Health Centre | YES | YES | YES | YES | YES |
| | Bumtiru Dispensary | YES | YES | YES | YES | YES |
| | Burinda Dispensary | YES | YES | YES | YES | YES |
| | Butula Mission Health Centre | YES | YES | YES | YES | YES |
| | Bwaliro Dispensary | YES | YES | YES | YES | YES |
| | Emafubu Dispensary | YES | YES | YES | YES | YES |
| | Ikonzo Dispensary | YES | YES | YES | YES | YES |
| | Masendebale Dispensary | YES | YES | YES | YES | YES |
| | Musibiri Dispensary | YES | YES | YES | YES | YES |
| | Namusala Dispensary | YES | YES | YES | YES | YES |
| | Neela Dispensary | YES | YES | YES | YES | YES |
| | Sikarira Dispensary | YES | YES | YES | YES | YES |
| | Bukyudi Dispensary | YES | YES | YES | YES | YES |
| | Igula Dispensary | YES | YES | YES | YES | YES |
| | St Peters Bulwani | YES | YES | YES | YES | YES |
| Samia | Sio Port Sub County Hospital | YES | YES | YES | YES | YES |
| | Agnga Dispensary | YES | YES | YES | YES | YES |
| | Buduta Dispensary | YES | YES | YES | YES | YES |
| | Busembe Dispensary | YES | YES | YES | YES | YES |
| | Wakhungu Dispensary | YES | YES | YES | YES | YES |

| Sub County | Facility | CP1 | CP2 | CP3 | CP4 | CP5 |
|------------|--------------------------------|-----|-----|-----|-----|-----|
| | Holy Family Nangina Dispensary | YES | YES | YES | YES | YES |
| | Namboboto Dispensary | YES | YES | YES | YES | YES |
| | Nambuku Model Health Centre | YES | YES | YES | YES | YES |
| | Namnduru Dispensary | YES | YES | YES | YES | YES |
| | Nangina Dispensary | YES | YES | YES | YES | YES |
| | Rumbiye Dispensary | YES | YES | YES | YES | YES |
| | Kabudo Dispensary | YES | YES | YES | YES | YES |
| Teso North | Mukonjo Dispensary | YES | YES | YES | YES | YES |
| | Teso North Sub County Hospital | YES | YES | YES | YES | YES |
| | Aboloi Dispensary | YES | YES | YES | YES | YES |
| | Akichelesit Dispensary | YES | YES | YES | YES | YES |
| | Ang'urai Health Centre | YES | YES | YES | YES | YES |
| | Changara (GOK) Dispensary | YES | YES | YES | YES | YES |
| | Akolong Dispensary | YES | YES | YES | YES | YES |
| | Kamolio Dispensary | YES | YES | YES | YES | YES |
| | Kamurai Dispensary | YES | YES | YES | YES | YES |
| | Malaba Dispensary | YES | YES | YES | YES | YES |
| | Moding Health Centre | YES | YES | YES | YES | YES |
| | Aloet Dispensary | YES | YES | YES | YES | YES |
| Teso South | Alupe Sub county Hospital | YES | YES | YES | YES | YES |
| | Akiriamasi Dispensary | YES | YES | YES | YES | YES |
| | Akobwat Dispensary | YES | YES | YES | YES | YES |
| | Amase Dispensary | YES | YES | YES | YES | YES |
| | Among'ura Community Dispensary | YES | YES | YES | YES | YES |
| | Amukura Health Centre | YES | YES | YES | YES | YES |
| | Apatit Dispensary | YES | YES | YES | YES | YES |
| | Apokor Dispensary | YES | YES | YES | YES | YES |
| | Ochude Dispensary | YES | YES | YES | YES | YES |
| | Odenjero Facility | YES | YES | YES | YES | YES |

| Sub County | Facility | CP1 | CP2 | CP3 | CP4 | CP5 |
|------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|
| | Kotur Dispensary | YES | YES | YES | YES | YES |
| | Kwang'or Dispensary | YES | YES | YES | YES | YES |
| | Lukolis Model Health Centre | YES | YES | YES | YES | YES |
| | Moru Karisa Dispensary | YES | YES | YES | YES | YES |
| | Ngelechom Community Dispensary | YES | YES | YES | YES | YES |
| | Obekai Dispensary | YES | YES | YES | YES | YES |
| | Okook Dispensary | YES | YES | YES | YES | YES |
| | Compliant | 91 | 91 | 90 | 90 | 90 |
| | Non- Compliant | 0 | 0 | 1 | 1 | 1 |

KEY/DETAILS:

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

Appendix 14: Monitoring & Supervision at County Level - Busia County

| County | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Busia County | YES | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Compliant | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Non-Compliant | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

KEY/DETAILS:

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

Appendix 15: Monitoring & Supervision at Sub County Level - Busia County

| Sub County | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 |
|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Matayos | YES | NO | NO | NO | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| Nambale | YES | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES |
| Bunyala | YES | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Butula | YES | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Samia | YES | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Teso North | YES | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Teso South | YES | NO | NO | NO | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| Compliant | 7 | 0 | 0 | 0 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |
| Non-Compliant | 0 | 7 | 7 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

KEY/DETAILS:

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

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

| Sub County | Facility | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 |
|----------------------|--------------------------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Matayos | Busia County Referral Hospital | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES |
| | Muyafwa Dispensary | YES | YES | YES | YES | NO | NO | NO | YES | YES | YES | YES |
| | Nasewa Health Centre | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Esikuli Dispensary | YES | YES | NO | YES | YES | NO | YES | YES | YES | YES | YES |
| | Munongo Dispensary | YES | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Busibwabo Dispensary | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | G.K Prisons Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Nasira Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Bukalama Dispensary | YES | NO | YES | YES | NO | NO | NO | YES | YES | YES | YES |
| | Burumba Dispensary | YES | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Mayenje Dispensary | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Buyosi Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| Nambale | Trailer Park Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Matayos Health Centre | YES | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Nambale Sub County Hospital | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Kapina Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Igara Dispensary | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Khayo Dispensary | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Lupida Health Centre | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Lwanyange Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Madende Model Health Centre | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Malanga Dispensary | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Mundumbu Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Bunyala | Port Victoria Sub County Hospital | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a | N/a |
| Budalangi Dispensary | | NO | NO | NO | YES | YES | NO | NO | YES | YES | NO | YES |
| Bulwani Dispensary | | NO | NO | NO | YES | NO | NO | NO | YES | YES | YES | YES |
| Busagwa Dispensary | | NO | NO | NO | YES | NO | NO | NO | YES | YES | NO | YES |

| Sub County | Facility | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 |
|------------|-------------------------------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|
| | Khajula Dispensary | NO | NO | NO | YES | NO | NO | NO | YES | YES | NO | YES |
| | Mukhobola Health Centre | YES | YES | YES | YES | NO | NO | NO | YES | YES | YES | YES |
| | Sisenye Dispensary | NO | NO | NO | YES | NO | NO | NO | YES | YES | NO | YES |
| | Osieko Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | NO | YES |
| | St. Jude Sirimba Dispensary | NO | NO | NO | YES | NO | NO | NO | YES | YES | YES | YES |
| | Rukala Model Health Centre | NO | NO | NO | YES | NO | NO | NO | YES | YES | YES | YES |
| Butula | Khunyangu Sub County Hospital | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Bukhalalire Dispensary | NO | YES | NO | YES | YES | NO | YES | YES | YES | YES | YES |
| | Bumala A Health Centre | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Bumala B Health Centre | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Bumutiru Dispensary | NO | YES | NO | YES | YES | NO | YES | YES | YES | YES | YES |
| | Burinda Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Butula Mission Health Centre | NO | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Bwaliro Dispensary | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Emafubu Dispensary | NO | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Ikonzo Dispensary | NO | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Masendebale Dispensary | NO | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Musibiri Dispensary | NO | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Namusala Dispensary | NO | NO | NO | YES | NO | NO | NO | YES | YES | YES | YES |
| | Neela Dispensary | NO | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Sikarira Dispensary | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Bukuyudi Dispensary | NO | NO | NO | YES | YES | NO | YES | YES | YES | YES | YES |
| | Igula Dispensary | YES | YES | NO | YES | NO | NO | NO | YES | YES | YES | YES |
| | St Peters Bulwani | NO | NO | NO | YES | NO | NO | NO | YES | YES | YES | YES |
| Samia | Sio Port Sub County Hospital | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Agenga Dispensary | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Buduta Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Busembe Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Wakhungu Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |

| Sub County | Facility | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 |
|------------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | Holy Family Nangina Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Namboboto Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Nambuku Model Health Centre | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Namdururu Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Nangina Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Rumbiye Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Kabudo Dispensary | NO | NO | NO | NO | YES | NO | NO | YES | YES | YES | YES |
| Teso North | Teso North Sub County Hospital | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Aboloi Dispensary | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Akichelesit Dispensary | YES | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Ang'urai Health Centre | YES | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Changara (GOK) Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Akolong Dispensary | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Kamoloi Dispensary | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Kamurai Dispensary | YES | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Malaba Dispensary | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Moding Health Centre | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Aloet Dispensary | YES | NO | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| Teso South | Alupe Sub county Hospital | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES |
| | Akiriamaasi Dispensary | NO | YES | NO | YES | YES | NO | YES | YES | YES | YES | YES |
| | Akobwat Dispensary | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Amase Dispensary | NO | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Among'ura Community Dispensary | NO | NO | NO | YES | YES | NO | YES | YES | YES | YES | YES |
| | Amkura Health Centre | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Apatit Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Apokor Dispensary | NO | NO | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Ochude Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Odengero Facility | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |

| Sub County | Facility | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 |
|------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Kotur Dispensary | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES | YES |
| | Kwang'or Dispensary | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Lukolis Model Health Centre | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| | Moru Karisa Dispensary | NO | NO | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| | Ngelechom Community Dispensary | NO | YES | NO | YES | YES | NO | YES | YES | YES | YES | YES |
| | Obekai Dispensary | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES |
| | Okook Dispensary | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| | Compliant | 54 | 52 | 41 | 91 | 79 | 11 | 23 | 91 | 91 | 86 | 91 |
| | Non- Compliant | 37 | 39 | 50 | 0 | 12 | 80 | 68 | 0 | 0 | 5 | 0 |

KEY/DETAILS:

| | |
|------------|--|
| M1 | Did the Facility receive any tablets for Covid -19 vaccine data entry? |
| M2 | Has the facility staff been receiving airtime on time? |
| M3 | Are the tablets in good working conditions? |
| M4 | as the County/sub county/facility put in place to ensure patients report adverse effect |
| M5 | Has the County/sub county/facility received any Adverse effect booklet etc. that are required to report adverse effects? |
| M6 | Has the sub county/facility experienced any instance of adverse effect? |
| M7 | Does the County/Sub-county/Facility monitor temperature during transportation of vaccines |
| M8 | Does the County/Sub-county record temperature every morning and evening in the temperature monitoring chart |
| M9 | Does the County/Sub-county/Facility monitor for the expiry of the vaccines? |
| M10 | Are the Pfizer and Moderna vaccines been monitored for the 30 days expiry period after thawing? |
| M11 | Has the county/sub county/Facility been making use of the temperature monitoring tools? |

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