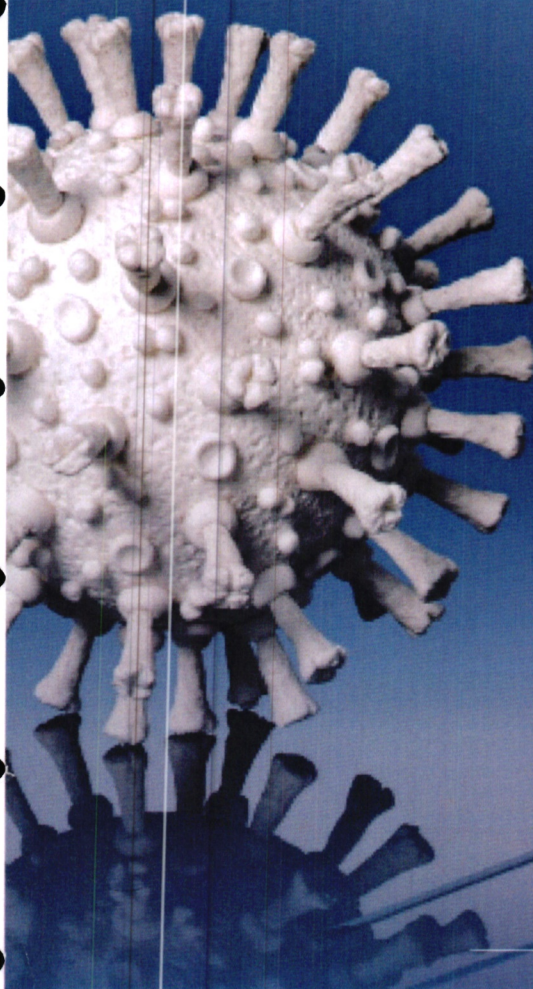


**SPECIAL AUDIT REPORT OF THE AUDITOR-GENERAL
ON
COVID 19 VACCINE ROLL OUT
FOR
NAROK COUNTY
AS AT 31 MARCH 2022**

PAPERS LAID	
DATE	11 TH OCTOBER 2022
TABLED BY	SENATE MAJORITY LEADER
COMMITTEE	—
CLERK AT THE TABLE	MRS. ADJIBODU





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LIST OF ABBREVIATIONS

The following abbreviations are used in this Report

Abbreviation	Full Name
CECM	County Executive Committee Member
eLMIS	Electronic Logistics Management Information System
FIFO	First In, First Out
GOK	Government Of Kenya
HR	Human Resource
MOH	Ministry of Health
NVIP	National Vaccines and Immunization Program
UNICEF	United Nations International Children's Emergency Fund
WHO	World Health Organization
ULT	Ultra - Low Temperature

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1.0 EXECUTIVE SUMMARY

1.1 Background and introduction

The Auditor-General carried out a special audit on the efficiency and effectiveness of Covid-19 vaccines roll-out in Kenya. The Audit covered the period from inception of the vaccination exercise in March 2021 to 31 March 2022. The primary objective of the audit was to determine the efficiency and effectiveness of the Covid-19 vaccines rollout in the Forty-Seven (47) Counties. This report however specifically covers the audit performed for the Covid-19 vaccines rollout in Narok County. The audit involved 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 inaccurate manual ledgers, non-recording of the wastages by significant number of the facilities and the Narok North Sub-County not utilizing the Chanjo System for vaccines receipt and dispatch. The audit Team put in place several measures to mitigate the challenges including reliance on data in Chanjo System where there were inaccuracies in the manual ledgers.

1.3 Audit Approach and Methodology

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

Report Summary

1.3.1 Doses Received and Administered

Narok County received 216,194 doses of various types of vaccines during the period under review. Out of the total Covid-19 Vaccine Doses received in the County, 168,423 doses were administered, while 25,377 vaccine doses were still in stock at the time of cut-off date on 31 March 2022. The balance of vaccine comprises doses expired, damaged, wasted and unexplained deficit vaccine of 26,052 as at 31 March 2022.

1.3.2 Budget

Narok County provided a budget of Kshs.6,666,600 which was financed by United Nations International Children's Emergency Fund (UNICEF), Kenya Covid-19 Health Emergency Response Project and AMREF. However, the Narok County Executive Government did not have a budget for the associated Covid-19 vaccination costs, including transportation, training and procurement of auxiliary services such as syringes and safety boxes.

1.3.3 Sources and Distribution of Vaccines

The source of vaccines to the County was from the Government of Kenya (GOK) through the Nairobi Regional Store. The distribution flow was from Regional Store to the Sub-County stores and to the facilities which administered the vaccines.

1.3.4 Storage of Vaccines

The Narok Sub-County Stores complied to some extent with the storage conditions set out by MOH for Covid-19 Vaccines. However, weaknesses were noted in the storage at the facilities including Narok North Sub-County Store which did not have sufficient space for orderly receipt, warehousing, and dispatch of vaccines.

1.3.5 Disposal of Vaccines

The Special Audit noted that a total of 22,131 vaccine doses had expired, damaged or had gone to waste. Out of 22,131 vaccine doses, 7,469 had been disposed with other hospital waste while the balance of 14,662 vaccine being held at the Sub-County stores or at the facility.

1.3.6 Human Resource Matters

The financing for health care personnel was to be funded by the Government of Kenya, Donors and development partners. Narok County Management explained that their trainings were undertaken through the assistance of the development partners. Documentation of training plans and lists of County, Sub-County and facility in charges who attended the trainings were provided during the audit.

1.3.7 Coordination of Players

In Narok County, the coordination of players was done by a select committee, which ensured that the outreaches and mobilization of citizens was done especially during the mass vaccination exercise. However, appointment letters and terms of reference of the response committees and the task force committees at the County and Sub-County levels were not availed for audit verification.

1.3.8 Monitoring and Supervision

The Audit established that Covid –19 Vaccines roll out was monitored and supervised by a Committee to ensure smooth implementation of policies and guidelines issued from time to time by the National Government. The minutes of the County Covid-19 Preparedness and Response Committee meetings were availed for audit verification. Although the facilities were issued with tablets to capture administered doses, the tablets were reported as faulty and facilities were not facilitated with the required data bundles for internet connections.

1.3.9 Conclusions and Recommendation

The audit concluded that the roll-out of the Covid-19 Vaccines was effective. However, weaknesses were noted in some of the processes including failure to report administered doses in Chanjo System especially during the outreaches and non-recording of the wasted and damaged vaccines. This impacted on the real time recording of information in the Chanjo System and may have contributed to the unexplained variance (deficit) of 26,052 of vaccine doses valued at Kshs.12,900,284 based on the average Vaccine cost during the period.

The existing immunization structures for routine vaccines were functional but required scale up to handle unforeseen pandemics. Owing to the weaknesses noted it is recommended that the Narok 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, Jansen, Pfizer and Sinopharm from other development partners. The Ministry of Health (MOH) launched campaign and kicked off the deployment for the Covid-19 first vaccines rollout 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 deployment plan developed in March 2021, and was subsequently revised by the MOH in August 2021 in an effort to ensure that the entire adult population is vaccinated.

Narok County received 3,000 doses of its first consignment of Astra Zeneca-Oxford Covid-19 vaccine in March 2021. This was sourced from the Nairobi Regional Store and were all administered at Narok County Referral Hospital.

As that 31 March 2022, the Special Audit Team established that the County had received 216,194 vaccines doses as tabulated below:

Vaccine Type	Doses Received
Janssen (Ad26.COV2S)	40,340
Moderna	2,118
Oxford/ AstraZeneca	141,906
Pfizer	31,830
Total	216,194

2.1 Objective of the Audit

The primary objective of the audit was to determine the efficiency and effectiveness of the Covid-19 vaccines rollout in Narok 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 and monitoring and supervision.

2.2 Terms of Reference

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

Table 1:Terms of Reference

TOR	Detailed Procedures
<p>1. Budget</p>	<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
<p>2. Sources of Vaccines</p>	<ul style="list-style-type: none"> • GOK Procured vaccines, development partners donations and COVAX etc. • Procurement process for GOK procured vaccines • Local and international approval of vaccines and syringes • Types and quantities from the different sources as well as shelf life of vaccines and prices where applicable • Consider whether vaccines came with syringes or not and the effect • Shelf life of vaccines (expiry) • Batch Numbers • Storage of defective vaccines/ expired • Recording of vaccines • Government clearance process for vaccines from outside the country • WHO rating of effectiveness of various vaccines • Cost vs budget
<p>3. Storage of Vaccines</p>	<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 vaccines/Syringes • Cost Vs Budget
<p>4. Distribution</p>	<ul style="list-style-type: none"> • How vaccines were distributed; logistics • Quantities of vaccines distributed • Proportion of vaccines distributed per region • Basis of quantities and proportions distributed e.g. population • Storage issues

TOR	Detailed Procedures
	<ul style="list-style-type: none"> Recording and accountability Cost vs budget
5. Utilization	<ul style="list-style-type: none"> Awareness creation Intended/ target population Uptake per type of vaccine Rate of transition from first to second dose Possibility of delayed administration of second dose Matters relating to booster doses Numbers expired Recording and Accountability i.e. vaccines received, utilized and balance and expired Cost vs budget
6. Disposal	<ul style="list-style-type: none"> Number of vaccines disposed Criteria for disposal Recording and accountability Reports and feedback Reconciliation of what was procured, utilized and unused and disposal 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 is 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 of players? Approval and appointment of taskforce and committees Costs vs budgets
9. Monitoring and supervision	<ul style="list-style-type: none"> Is there a framework for coordination and communication of players? Approval and appointment of taskforce and committees Costs vs budgets

2.3 Scope of the Audit and Limitation to Scope

2.3.1 Scope

The audit reviewed all processes from the inception of Covid-19 vaccine 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 findings. Some of the challenges and measures taken included:

- i) Vaccine damages and wastages were not recorded by the vaccinating facilities. This was mitigated by referring to the vaccine wastages uploaded in the Chanjo System.
- ii) Manual records in some of the Sub-County offices and facilities were found to be inaccurate including recording of the wrong batches and arithmetic errors. Under such circumstances, the audit team solely relied on the Chanjo System data which is the primary system.
- iii) The Narok North Sub-County, which was the main store for the County, did not use the Chanjo System for receipt and dispatch of the vaccines to other Sub-County Stores and facilities. Therefore, the reliance was on the manual ledgers and issuance records at the Sub-County office.

2.4 Audit Approach and Methodology

The Special Audit Team held entry and exit meetings with the Narok County Management team comprising of the County Executive Committee Members (CECM) for Health and Finance, Chief Officers (COs) of Finance and Health and a team drawn from the County Health department on 9 and 31 May 2022 respectively. During the entry meeting, the County Management were sensitized on the audit process and the detailed work plan. The plan was subsequently adopted and applied in the execution of the Special audit.

The following are the main evidence gathering methods applied during the audit execution:

2.4.1 Document Review

To effectively plan for the audit and as a source of audit evidence, the Audit Team reviewed various documents including the approved budgets, vaccine ledger books, Vaccine ordering sheets, issue and ordering sheets, records on outreaches held, training plans, temperature monitoring charts, contingency and excursion Plans.

2.4.2 Analytical Review

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

2.4.3 Physical Verification

The Audit Team carried out physical verifications in the six (6) Sub-Counties and 91 vaccinating facilities in Narok County as detailed in **Appendix 1**.

2.4.4 Interviews

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

Table 2: Interviews

	Name	Organization	Designation
1.	Dr. Francis Kiio	Narok County	County Director Health
2.	Mr. Shadrack Beru	Narok County	County Expanded Programme on Immunization (CEPI)
3.	Mr. Zechiel Sakuda	Narok County	County Records and Information
4.	Dr. Dan Ngere	Narok County	County Pharmacist
5.	Caroline Saitoti	Narok County	County Health Promotion Officer
5.	Francis Kamwaro	Narok County	County Clinical Officer

2.5 Audit Phases

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

Phase Two involved review of processes, data and verifications at regional office in Nairobi and vaccinating facilities in the County. This Phase also involved verification and interview of the 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 Country bearing in mind the challenges and limitations experienced.

3.0 DETAILED FINDINGS

3.1 Budget and Sources of Vaccines

3.1.1 Unconfirmed Funding of Covid-19 Vaccination Support Services

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

Budget Item	Amount (Kshs.)
Sub-County Advocacy Stakeholders	120,000
County Advocacy Meetings/	25,000
Sub-County Advocacy ACSM	675,000
Vaccine Distribution to Sub-Counties and Health Facilities	306,600
Vaccinator Volunteer Allowance	4,162,000
County and Sub-Counties Supervisors Allowance	1,166,000
Data Management Support	30,000
County and Sub-County Review Meetings	182,000
Total	6,666,600

UNICEF, Kenya Covid-19 Health Emergency Response Project and AMREF financed the budget. However, documents including partnership agreements were not availed for audit review to confirm if the budget was funded and actualized.

3.1.2 Sources of Vaccines

According to the Chanjo System, the County received 216,194 vaccine doses between 01 March 2022 and 31 March 2022 from the National Government. A review of the County's Health Services Budget for the 2021/2022 financial year budget revealed that there were

no provisions for the Covid-19 vaccine roll-out. Further, the special audit revealed the following anomalies as summarized **Table 3** and detailed in **Appendix 2**:

Table 3: Sources of Vaccines

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	6
Lack of budgetary support for Covid-19 from donors/National government	0	6
Failure to spent budgetary support on Covid-19 vaccination.	0	6
Failure by the subCounty/Facility to finance Distribution of Vaccines, Outreaches, Trainings costs related to Covid- 19 vaccination;	0	6

3.2 Storage of Vaccines

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

- Pfizer should be maintained at -80 °C to -60 °C in 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 Clinical Guidance for Janssen Covid-19 Vaccine recommend storing the vaccine between 2°C and 8°C.

The storage conditions applied to all stores including County, Sub-County and Facility stores.

3.2.1 Storage at the Sub-Counties Stores

A review of documents provided for audit and physical verification carried out at the 6 Sub-County stores revealed issues as summarized in **Table 4** and detailed in **Appendix 3**.

Table 4: Storage at the Sub-Counties

Criteria	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	6	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.	5	1
Broken or damaged items are withdrawn from usable stock and stored separately	6	0
There was sufficient lighting necessary to enable all operations to be carried out accurately and safely.	6	0
All Covid-19 vaccines stored off the floor	6	0
Refrigerated and freezing storage environments fitted with signals to indicate that refrigeration has failed. The signal permitted resetting only by the authorized person.	6	0
The vaccines issued on a FIFO method and guided by the expiry date	6	0
There was a contingency plan in case of power failure, equipment breakdown, or cold chain breach	6	0
General Storage Areas		

Criteria	Number of Compliant Sub-County Stores	Number of Non-Compliant Sub-County Stores
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	6	0
There are written procedures and a sanitation program indicating the frequency of cleaning and the methods used to clean the premises and storage areas.	0	6
There was a cleaning log that must be completed, signed, and checked by the appropriately designated person.	0	6
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	6
There were appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination	0	6
The Covid-19 vaccines were stored in such a way as to prevent contamination or cross-contamination.	6	0
Storage Conditions		
The storage conditions were compatible with the storage conditions specified on their labels. (Storage facilities protected goods from deterioration.)	6	0
The warehouse was maintained at a temperature not exceeding 30 °C, and relative humidity not exceeding 75% Relative humidity (WHO zone IVb requirements) at all times.	6	0

Criteria	Number of Compliant Sub-County Stores	Number of Non-Compliant Sub-County Stores
The storage conditions of the refrigerators are as per the vaccine manufacturer's recommendations (Refrigerated (2°C to 8°C))	6	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.	6	0
The store had stock in the Cold Room and were physical counted and grouped per vaccine and Batch Numbers	6	0

From the foregoing, the Special Audit Team confirmed that the Narok County Sub-Counties' Stores complied with a number of storage conditions requirements with exception of the lack of sanitation program to indicate frequency of cleaning and presence of a cleaning log and procedures for clean-up of any spillages to avoid the risk of contamination. However, Narok North Sub-County Store did not have 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 refrigerators were also kept along the corridor of the Sub-County's Public Health Nurse Offices (SCPHN).

3.2.2 Storage at the Facilities Level

A review of documents provided for audit and physical verification carried out at the health facilities revealed issues as summarized **Table 5** and detailed in **Appendix 4**.

Table 5: Storage at the Facilities

Criteria	Number of Compliant Facilities	Number of Non-Compliant Facilities
Store has sufficient security to prevent loss of Covid vaccines as well as prevent unauthorized access	81	10
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.	N/a	N/a
Broken or damaged items are withdrawn from usable stock and stored separately	88	3
There was sufficient lighting necessary to enable all operations to be carried out accurately and safely.	88	3
All Covid-19 vaccines stored off the floor	90	1
Refrigerated and freezing storage environments fitted with signals to indicate that refrigeration has failed. The signal permitted resetting only by the authorized person.	21	70
The vaccines issued on a FIFO method and guided by the expiry date	91	0
There was a contingency plan in case of power failure, equipment breakdown, or cold chain breach	77	14
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	91	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.	4	87
There was a cleaning log that must be completed, signed, and checked by the appropriately designated person.	8	83
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.	N/a	N/a

Criteria	Number of Compliant Facilities	Number of Non-Compliant Facilities
There were appropriate written procedures for the clean-up of any spillage to ensure the complete removal of any risk of contamination	8	83
The Covid-19 vaccines were stored in such a way as to prevent contamination or cross-contamination.	N/a	N/a
Storage Conditions		
The storage conditions were compatible with the storage conditions specified on their labels. (Storage facilities protected goods from deterioration.)	N/a	N/a
The warehouse was maintained at a temperature not exceeding 30 °C, and relative humidity not exceeding 75% Relative humidity (WHO zone IVb requirements) at all times.	N/a	N/a
The storage conditions of the refrigerators are as per the vaccine manufacturer's recommendations (Refrigerated (2°C to 8°C))	89	2
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.	79	12
The store had stock in the Cold Room and were physical counted and grouped per vaccine and Batch Numbers	74	17

3.3 Distribution of Vaccines

3.3.1 Distribution at County Level

Documents provided for audit revealed that Covid 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 the Sub-County Stores and to the facilities from where the vaccine is dispensed.

According to the Chanjo System, 216,194 vaccines were received at the Sub-Counties as at 31 March, 2022 and was distributed to the Facilities as summarized in **Table 6** and detailed in **Appendix 5**:

Table 6: Distribution of Vaccines

Vaccine Type	Distributed to Sub-County Stores	Distributed to Facilities	Variance
Janssen (Ad26.COv2-S)	40,340	35,410	4,930
Moderna	2,118	2,068	50
Oxford/AstraZeneca	141,906	129,656	12,250
Pfizer	31,830	23,190	8,640
	216,194	190,318	25,876

The variance of 25,876 were the physical stock held at the Sub-County Stores.

According to National Policy Guidelines on Immunization, 2013, Storage and transportation of vaccines and diluents, at all stages of vaccines transportation a cold chain monitor must always accompany all vaccines whether in cold boxes, vaccine carriers or portable fridges and the temperature readings must be maintained between +2°C-+8°C including age of conditioned ice-packs. Diluents need to be transported at +2°C-+8°C unless they are being transported for outreach activities.

3.4 Utilization of Vaccines

3.4.1 Accounting for the Vaccines

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

Examination of records maintained in the Chanjo System revealed that as at 31 March, 2022; 216,194 vaccine doses had been received in the County.

Documents provided for audit revealed that there were 95 facilities that had been mapped in the Chanjo System.

Out of the total 216,194 Covid-19 Vaccine doses received, 168,423 doses were administered, 25,377 vaccine doses were in stock, while the balance of 18,413 was either expired, damaged or had gone to waste as at 31 March 2022 as summarized in **Table 7** below and detailed in **Appendix 5**. There was however unexplained variance of 26,052 vaccine doses.

Table 7: Utilization of Vaccines

Vaccine Type	Doses Received	Doses Administered	Doses in Stock	Expired Doses	Doses Damaged	Doses Wasted	Unexplained doses
Janssen (Ad26.COV2S)	40,340	45,444	5,270	290	200	442	(11,127)
Moderna	2,118	2,012	0	0	0	0	106
Oxford/AstraZeneca	141,906	102,251	13,105	10,895	1,420	1,244	20,279
Pfizer	31,830	18,716	7,002	3,477	257	188	5,667
Total	216,194	168,423	25,377	14,662	1,877	1,874	26,052

3.4.2 Administered Doses

The Chanjo System indicates that a total of 168,452 doses had been administered by the County between 1 March, 2021 to 31 March, 2022. The vaccine doses administered are as summarized below:

S/n	Vaccine Type	First Doses	Second Doses	Buster Doses	Grand Total
1	AstraZeneca	67,858	33,984	427	102,269
2	Moderna	1,289	709	16	2,014
3	Janssen	45,439	11	0	45,450
4	Pfizer	15,221	2,763	735	18,719
	Total	129,807	37,467	1178	168,452

The disparity of 29 vaccine doses between the administered doses of 168,423 in the trackers used during audit and the administered doses extracted from the Chanjo system of 8,452 for the same period (1 March 2021 and 31 March 2022) was traced to retrospective entries of vaccinations into the System.

3.4.3 Expired Doses

These are vaccine doses that had not been administered by the manufacturers use-by-date indicated on the vials totalling to 18,380 doses. Out of this, 14,662 doses had not been disposed by the time of the special audit in May 2022.

3.4.4 Wasted Doses

The special audit revealed that no records were maintained in the Sub-County stores and facilities to record any wastages and or damaged vials. However, during the field visits we noted some of the facilities that had indicated the wasted and disposed of vaccines including Kojonga Dispensary, Suswa Dispensary, Entasekera Health Centre and Talek Health Centre.

3.4.5 Unexplained Vaccine Variances

Documents provided for audit revealed that 216,194 vaccines doses were received in the Narok County facilities. However, reconciliations of the vaccines received, administered, in stock, expired, damaged and wasted revealed an unexplained deficit variance of 26,502 doses, which cost Kshs.12,900,284 as follows:

Vaccine Type	Unexplained Doses	Average Cost in (Kshs.)	Total Cost in (Kshs.)
Janssen (Ad26.COV2S)	-11,127	-	-
Moderna	106	505.05	53,535.30
Oxford/ AstraZeneca	20,279	446.22	9,048,895.38
Pfizer	5,667	670.17	3,797,853.39
Total	26,052		12,900,284.07

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

- Narok North Sub-County, which was dispatching to other Sub-Counties, did not utilize the Chanjo system for receipt and dispatch of the Vaccines.
- During the outreaches, persons were vaccinated but the administered doses were not captured in Chanjo system. For instance, in Transmara East and Narok East Sub-Counties, there were manual lists maintained that had not been updated in the Chanjo system.
- The County did not maintain any records to indicate the damaged and wasted doses during the vaccination period.

3.5 Disposal of Vaccines

The special audit noted that a total of 14,662 expired doses had not been disposed off as at the time of the audit. However, 7,469 expired, damaged and wasted vaccine doses had been disposed.

A review of documents provided for audit, revealed non-compliance with the disposal requirements as per Section 6.1 of World Health Organization (WHO) Standard Operating Procedure (SOP) on Waste management of used Covid-19 vaccines vials and ancillary supplies. The procedure states that any used or discarded Covid-19 Vaccines Vials MUST be collected safely and separately from the rest of the waste. Both the empty vials and those with remaining vaccine does discarded at the end of the daily vaccination activities 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 of reusable and not being an environmental not a health threat. The findings on disposal of vaccines are as summarized below and detailed in **Appendices**.

Table 8: Disposal of Vaccines

Observation	Sub-County Stores		Facilities	
	No of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
Lack of waste management plan developed	0	6	13	68
Lack of budget for disposal of Covid-19 waste	0	6	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 NEMA approved Waste Disposal Site.	N/a	N/a		N/a

Observation	Sub-County Stores		Facilities	
	No of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
Failure to record or to account vaccine vials in the vaccine inventory report	4	2	38	53
Failure by the County/Store to fill any application form for disposal of pharmaceutical waste issued by the Pharmacy and Poisons Board in compliance with the Guidelines for safe management of pharmaceutical waste.	0	6	91	0
Failure to dispose in a NEMA approved pharmaceutical disposal site in compliance with the Guidelines for safe management of pharmaceutical waste	N/a	N/a	57	34
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.	5	1	76	15
Disposing without a certificate of safe disposal of pharmaceutical waste in compliance with the Guidelines	N/a	N/a	0	91

Observation	Sub-County Stores		Facilities	
	No of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
for secure management of pharmaceutical waste				
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	N/a	N/a	87	4
Failure to have a pharmaceutical waste stored in designated quarantine stores and away from usable pharmaceutical.	N/a	N/a	60	31
Lack of an incinerator, burning chamber or burning pit.	6	0	86	5

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

3.6 Human Resource Matters

3.6.1 Training at County Level

The health care workers were to be trained and were required to be competent 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. The health care training was to be funded by the Government of Kenya and development partners.

Immediately after the Covid-19 vaccines were rolled-out, trainings for different level personnel in the National and County Governments were conducted. The Narok County Health Management Team indicated that training in all the six Sub-Counties were undertaken through the support of partners. Documentation regarding donor facilitation and support was provided for audit review.

The County and Sub-Counties provided supporting documentation including, the training plan, training timetable, venue, the attendance list, the cost to the donor, number of trainees per County, trainee selection criteria, training timetable and venue were provided for audit review.

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

Table 9: Training at County Level

Observation/Findings	Sub-Counties		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.	6	0	90	1
Counties and Sub-Counties Health Management Team not trained on Covid-19 immunization	6	0	N/a	N/a

Observation/Findings	Sub-Counties		Facilities	
	Number of Compliant	Number of non-Compliant	Number of Compliant	Number of non-Compliant
Trainings not well spread to all necessary cadres	6	0		N/a
Lack of a training plan and trainings not done as per training plan	6	0	91	0
Lack of a specific training budget for Covid -19 immunization	0	6	0	91
Variance between budget and actual expenditure for training on Covid-19 vaccination.	0	6	0	91
Lack of details including designation, attendance dates, financier of staff at national/County/subCounty/facility	6	0	91	0
Lack of adequate staff to carry out the Covid-19 vaccination		N/a	84	7
Lack of separation of roles and duties		N/a	84	7
Lack of prior training on Covid – 19 including vaccine administration	6	0	88	3
Failure to use trained staff to train other staff		N/a	66	25

In the circumstances, the Human Resources engaged in the vaccines roll programme may not have been adequately trained.

3.7 Coordination of Players

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. The coordination at the County Level was done by the Narok Covid-19 Vaccine Deployment and Vaccination Taskforce. However, appointment letters and the terms of reference of the task force were not availed for audit review. In the circumstances, the special audit could not establish the membership of the task force, and their roles and mandate.

A review of documents provided for audit at the County, Sub-Counties and Facilities revealed anomalies are summarized below and detailed in **Appendices 11, 12 and 13**.

Table 10: Coordination at Sub-County level

Observation/Findings	County	Sub-Counties		Facilities	
	Non-Compliance in County	Number of Compliant	Number of Non-Compliant	Number of Compliant	Number of Non-Compliant
Failure to form coordination taskforce/committee	0	6	0		N/a
Task force /committee without terms of reference (TOR)	0	6	0	N/a	N/a
Failure to comply with the TORS	0	6	0	N/a	N/a
Lack of directives/advisory/instruction from higher levels in the Covid-19 Vaccine management	0	6	0	85	6
Lack of upward/downward communication in Covid-19 Vaccine Roll out	0	6	0	86	5
Lack of committee meetings	0	6	0	N/a	N/a
Failure to carry out advocacy	0	6	0	91	0
Failure to carry out mobilization	0	6	0	88	3
Failure to carry out mobilization outreaches	0	6	0	83	8

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

3.8 Monitoring and Supervision

3.8.1 Monitoring and Supervision at the County and Facilities Level

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

Table 11: Monitoring and Supervision at the Sub-County and Facility

Observation/ Findings	County		Sub-Counties		Facilities	
	Number of Compliant	Number of non- Compliant	Number of Compliant	Number of non- Compliant	Number of Compliant	Number of non- Compliant
Lack of a designated officer as an in charge for monitoring Covid-19 vaccine rollout.	1	0	6	0	N/a	N/a
Lack tablets from the Ministry	1	0	6	0	68	23
Tablet not in good working conditions	0	1	1	5	44	47
Personnel involved in the rollout not facilitated by airtime	0	1	2	4	24	67
Lack of mechanism/measures where patients could report adverse effect after vaccination.	1	0	6	0	85	6
Lack of Adverse effect booklet etc. that are required to report adverse effects	1	0	6	0	69	22
Failure to monitor temperature during transportation of vaccines	1	0	3	3	56	35
Failure to record temperature every morning and evening in	1	0	6	0	83	8

Observation/ Findings	County		Sub-Counties		Facilities	
	Number of Compliant	Number of non- Compliant	Number of Compliant	Number of non- Compliant	Number of Compliant	Number of non- Compliant
the temperature monitoring chart/tool						
Failure to monitor for the expiry of the vaccines	1	0	6	0	85	6
Failure to monitored the Pfizer and Moderna vaccines for the 30 days expiry period after thawing	1	0	6	0	54	37

In view of the above, it was noted that although the facilities were issued with tablets to capture administered doses, the tablets were reported faulty and facilities were not facilitated with the required data bundles to access the Chanjo system.

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

4.1.1 Irregularities and Weaknesses at the County and Sub-County Level

The following are the irregularities and weaknesses observed at the County and Sub-County Level and the corresponding recommendations made by the Special Audit team.

	Irregularities and Weaknesses	Recommendations
1	Lack of segregation of duties at the County and Sub-County level where one staff maintained the ledgers for vaccines dispatched to the County, Narok North Sub-County and Narok County Referral	There should be proper segregation of duties at the County level to ensure efficient receipt and dispatch of vaccines.

	Irregularities and Weaknesses	Recommendations
	hospital. This led to mix up in recording of vaccines including dispatch of vaccines.	
2.	The Narok North Sub-County did not use Chanjo system for receipt and dispatch of vaccines. Therefore, we could not reliably verify the vaccines received from the regional store and dispatches to the facilities.	The County should consider maintaining proper records in management of vaccines including the manual ledgers and data captured in Chanjo system. In future, the County should ensure that the data capture forms used in outreaches include the vaccine batch numbers.
3.	Failure to capture administered doses in Chanjo System during outreaches. In addition, the records maintained during these outreaches did not include the vaccines' batch numbers therefore capturing the details in Chanjo system became a challenge.	
4.	Delays in maintaining vaccines ledgers in the facilities. The County started maintaining manual vaccine ledgers in May 2021 while the vaccine roll-out commenced in March 2021.	
5.	Non recording of expired/damaged/wasted vaccines	Proper recording of the expired/wasted/damaged vaccines.
6.	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.
7.	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 well facilitated to enable them perform their functions effectively.


	Irregularities and Weaknesses	Recommendations
8.	The County did not have adequate tablets and airtime to ensure data capture of all administered doses.	Provide tablets and properly facilitate facilities with airtime to ensure full reporting.
9.	Failure to dispose vaccine waste as per safe management of pharmaceuticals waste guidelines.	The County should consider developing a waste management plan to ensure there is proper disposal and management of vaccine wastes.
10.	Inadequate monitoring and supervision of facilities to ensure proper management of the vaccine roll-out.	Enhance monitoring and supervision of the facilities during vaccine roll-out.

5.0 Conclusion

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 capture administered doses in Chanjo System especially during the outreaches and non-recording of the wasted/damaged vaccines.

The special audit revealed that a total 26,052 doses of Covid-19 vaccines valued at Kshs.12,900,284 that were not explained.

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


CPA Nancy Gathungu, CBS
AUDITOR-GENERAL

Nairobi

24 June, 2022

6.0 APPENDICES

Appendix 1: Vaccinating Facilities in Narok County

Sub-County	Facility	Defined in Chanjo
Narok East	Nairagie-Enkare Health Centre	Yes
	Ilaiser Dispensary	Yes
	Kojonga Dispensary	Yes
	Ntulele Health Centre	Yes
	Suswa Dispensary	Yes
	Olasiti (Aic) Dispensary	Yes
	Narok East Sub-County Store	Yes
Narok North	Narok North Sub-County Store	Yes
	Narok County Referral Hospital	Yes
	Olokurto Health Centre	Yes
	Enabelbel Health Centre	Yes
	St Teresa Olokirikirai Dispensary	Yes
	Naisoya Dispensary	Yes
	Nkareta Dispensary	Yes
	Ewaso Ngiro Dispensary	Yes
	Fountain Medical Centre	Yes
	Medicatia Hospital	Yes
	Fountain Medical Centre	Yes
	Siyiapei (Aic) Dispensary	Yes
	Narok Cottage Hospital	Yes
	Shepherds Hospital	Yes
	Olchorro Health Centre	Yes
	Olenkusai Dispensary	Yes
	Enaibor Ajjik Dispensary	Yes
	Olorropill Dispensary	Yes
	Olposimoru Dispensary	Yes
	Tree of Life Healthcare Limited	Yes
Entontol Dispensary	Yes	
Erusiai Dispensary	Yes	
Sakutiek Health Centre	Yes	
Narok south	Narok South Sub-County Depot	Yes
	Ololulunga District Hospital	Yes
	Olmekenyu Health Centre	Yes
	Sogoo Health Centre	Yes
	Saire Dispensary	Yes
	Saptet Dispensary	Yes
	Mausa Dispensary	Yes
	Entasekera Health Centre	Yes

Sub-County	Facility	Defined in Chanjo
	Maji Moto Dispensary (Narok South)	Yes
	Morijo Loita Health Centre	Yes
	Ilkerin Dispensary (Narok South)	Yes
	Enkutoto Dispensary	Yes
	Naroosura Health Centre	Yes
	Elangata Enterit Dispensary	Yes
	Ngosuani Dispensary	Yes
	Ereteti Dispensary	Yes
	Ewaso Ngiro Health Centre	Yes
Narok west	Narok West Sub-County Depot	Yes
	Mulot Health Centre	Yes
	Olchoro Oirowa Dispensary	Yes
	Ilmotiok Dispensary	Yes
	Rongena Dispensary (Narok West)	Yes
	Salabwek Dispensary	Yes
	Baraka Hospital	Yes
	Nkorinkori Dispensary	Yes
	Sekenani Health Centre	Yes
	Nkoilale Health Centre	Yes
	Megwara Dispensary	Yes
	Losho Dispensary	Yes
	St Anthony Lemek Health Centre	Yes
	Talek Health Centre	Yes
	Olkoroi Dispensary	Yes
	Enturoto Community Medical Clinic	Yes
	Olkinyei Dispensary	Yes
	Naishorua Medical Clinic	Yes
	Olderkesi Dispensary	Yes
	Osarara Dispensary	Yes
	Mogoyuiet Dispensary	Yes
	Mararianta Health Centre	Yes
	Cmf Aitong Health Centre	Yes
Olesere Dispensary	Yes	
Enkitoria Dispensary	Yes	
Leshuta Dispensary	Yes	
Naikara Health Centre	Yes	
Transmara east	Takitech Dispensary	Yes
	St Antony'S Abossi Health Centre	Yes
	Soget Dispensary	Yes
	Kurangurik Health Centre	Yes

Sub-County	Facility	Defined in Chanjo
	Kabolecho Dispensary	Yes
	Emurua Dikirr Health Centre	Yes
	Transmara East Sub-County Depot	Yes
Transmara west	Transmara West Sub-County Depot	Yes
	Transmara West Sub-County Hospital	Yes
	Shankoe Dispensary	Yes
	Ololchani Dispensary	Yes
	Lolgorian Sub District Hosp	Yes
	Mashangwa Dispensary	Yes
	Angata Health Centre	Yes
	Emarti Health Centre	Yes
	Enkipai Dispensary	Yes
	Kimintet Dispensary	Yes
	Shartuka Dispensary	Yes
	Enoosaen Health Centre	Yes
	Masurura Dispensary	Yes
	Nkararo Health Centre	Yes
	Oldanyati Health Centre	Yes
	Olengoloto Dispensary	Yes
	Kapune Dispensary	Yes
	Narolong Dispensary	Yes
	Entargeti Dispensary	Yes
	Olereko Dispensary	Yes
Emurutoto Health Centre	Yes	

Appendix 2: Budget at Sub-County Level – Narok County

Sub-County	B1	B2	B3	B4	B5	B6	B7	B8
Narok South	No	Yes	No	No	Yes	Yes	Yes	Yes
Narok East	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Narok North	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Narok West	No	No	No	No	No	No	No	No
Transmara East	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Transmara west	Yes	Yes	No	No	Yes	Yes	Yes	Yes
Compliance	4	5	2	1	5	5	5	5
Non-compliance	2	1	4	5	1	1	1	1

Key:

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 – Narok County

Sub-County	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19
Narok South	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Narok East	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Narok North	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Narok West	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transmara East	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transmara West	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Compliant	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6
	Non-Compliant	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Key:

S1	Does the building have sufficient security to prevent loss of Covid 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 FIFO method and guided by the expiry date?

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

Appendix 4: Storage at Facility Level – Narok County

Sub-County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12
Narok East	AIC Olasit Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No
	Kojong'a Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Nairagi Enkare Health Centre	No	Yes	Yes	Yes	No	Yes	No	Yes	No	No	Yes	Yes
	Suswa Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	No
	Ilaiser Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Ntulale Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes
Narok North	AIC Siaipeyi Dispensary	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes
	Anaiborr-Ajilik Dispensary	No	No	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	No
	Enabelbel Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No
	Oloropill Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
	Oloposimoru Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
	Tree of Life Healthcare Limited	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
	Entontol Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes
	Erusiai Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes
	Narok County Referral	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes
	Naisoya Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes
	Ewaso Ngiro Dispensary	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes
	Fountain Hospital	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes
	Medicatia Hospital	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes
	Narok Cottage Hospital	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes
	Nkareta Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes
Olchorro Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	
Oloikirirai Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	

Sub-County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12
Narok West	Olokuto Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Sakutiek	Yes	Yes	Yes	Yes	No	Yes	No	No	No	No	Yes	Yes
	Sherpherd Hospital	No	No	Yes	Yes	No	Yes	No	No	No	No	Yes	Yes
	Olenkasurai Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes
	Elangata Enterit Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Enkutoto Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Ilkerin Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Naroorura Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Olmekenyu Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Olunga SubCounty Hospital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Sogoo Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	Entasekera Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Narok South	Ewaso Ngiro Health Centre	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes
	Lorte Dispensary	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	No	Yes	Yes
	Maji moto Dispensary	No	Yes	Yes	Yes	No	Yes	No	Yes	No	No	Yes	Yes
	Mausa Dispensary	No	Yes	Yes	Yes	No	Yes	No	Yes	No	No	Yes	Yes
	Saire Dispensary	No	No	No	No	No	Yes	No	Yes	No	No	No	Yes
	Saptet Dispensary	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes
	Ngoswani Health Centre	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	No	Yes	Yes
	AGC Naikarra Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes
	Baraka Hospital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	CMF Aitong Health Center	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes
	Enkitoria Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes
	Ilmotook Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	No
Leshuta Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	

Sub-County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12	
Transmara East	Losho Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	
	Mara Rianda Health Center	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No	
	Mogoiyuet Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	No	
	Olkoro! Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	
	Enturoto Community Medical Clinic	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	
	Naihorua Medical Clinic	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	
	Olderkesi Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	
	Osarara Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	
	St Antony Lemek Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	
	Mulot Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	
	Nkoiiale Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	
	Nkorinkori Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	
	Olchoro-Oirruwa Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	
	Rongena Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	
	Salabwek Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Talek Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes
	Megwara Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Olesere Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
Sekenani Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	
Transmara East	Kabolecho Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	
	Emrua Dikirr Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	
	Karungurik Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	
	Soget Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	
	Takitech Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	St Anthony's Health Centre Abossi	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes

Sub-County	Facility	ST1	ST2	ST3	ST4	ST5	ST6	ST7	ST8	ST9	ST10	ST11	ST12
	Angata Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Emarti Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Emurutoto Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Enoosaen Health Centre	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Olongoto Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Kapune Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Enkipai Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Kimintent Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Mashangwa Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Narolong Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	No
	Shankoe Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Shartuka Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Transmara West SubCounty Hospital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Entargeti Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Lolgorian Sub District Hospital	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Masurura Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Olereko Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes
	Ololchani Dispensary	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes
	Compliant	81	88	88	90	21	91	77	91	4	8	89	79
	Non-compliant	10	3	3	1	70	0	14	0	87	83	2	12

Key:

ST1	Is the refrigerator well secured to prevent unauthorized access?
ST2	Were broken or damaged items withdrawn from usable stock and stored separately?
ST3	Is there sufficient lighting necessary to enable all operations to be carried out accurately and safely?

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

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

Vaccine Type	Facilities	Receipts
Janssen (Ad26.COVS2S)	Angata Health Centre	700
	Cmf Aitong Health Centre	350
	Elangata Enterit Dispensary	100
	Emarti Health Centre	255
	Emurua Dikirr Health Centre	750
	Enabelbel Health Centre	1,650
	Enaibor Ajjik Dispensary	70
	Enkipai Dispensary	25
	Enkitoria Dispensary	1,000
	Enkutoto Dispensary	100
	Enoosaen Health Centre	680
	Entargeti Dispensary	180
	Entasekera Health Centre	950
	Entontol Dispensary	280
	Enturoto Community Medical Clinic	50
	Ereteti Dispensary (Narok South)	500
	Erusiai Dispensary	100
	Ewaso Ngiro Dispensary	175
	Ewaso Ngiro Health Centre	650
	Fountain Medical Centre	90
Ilaiser Dispensary	100	
Ilkerin Dispensary (Narok South)	400	
Ilmotiok Dispensary	45	
Kabolecho Dispensary	400	
Kapune Dispensary	80	
Kimintet Dispensary	392	

Vaccine Type	Facilities	Receipts
	Kojonga Dispensary	205
	Kurangurik Health Centre	400
	Leshuta Dispensary	200
	Lolgorian Sub District Hosp	150
	Losho Dispensary	200
	Maji Moto Dispensary (Narok South)	200
	Mararianta Health Centre	200
	Mashangwa Dispensary	400
	Masurura Dispensary	60
	Mausa Dispensary	500
	Medicatia Hospital	1,950
	Megwara Dispensary	100
	Morijo Loita Health Centre	200
	Mulot Health Centre	900
	Naikara Health Centre	200
	Nairagie-Enkare Health Centre	710
	Naishorua Medical Clinic	50
	Naisoya Dispensary	335
	Narok Cottage Hospital	360
	Narok County Referral Hospital	1,935
	Naroosura Health Centre	630
	Ngosuani Dispensary	300
	Nkararo Health Centre	370
	Nkareta Dispensary	100
	Nkoilale Health Centre	600
	Nkorinkori Dispensary	200
	Ntulele Health Centre	420
	Olasiti (Aic) Dispensary	130

Vaccine Type	Facilities	Receipts
	Olchoro Oirowa Dispensary	50
	Olchorro Health Centre	650
	Oldanyati Health Centre	370
	Olderkesi Dispensary	100
	Olengoloto Dispensary	120
	Olenkasurai Dispensary	300
	Olereko Dispensary	50
	Olesere Dispensary	200
	Olkinyei Dispensary	100
	Olkoroi Dispensary	200
	Olmekenyu Health Centre	700
	Olokurto Health Centre	400
	Ololulunga District Hospital	2,270
	Olorropil Dispensary	300
	Olposimoru Dispensary	330
	Osarara Dispensary	100
	Rongena Dispensary (Narok West)	105
	Saire Dispensary	250
	Sakutiek Health Centre	85
	Saptet Dispensary	500
	Sekenani Health Centre	1,240
	Shankoe Dispensary	50
	Shartuka Dispensary	100
	Shepherds Hospital	245
	Siyiapei (Aic) Dispensary	360
	Soget Dispensary	300
	Sogoo Health Centre	500
	St Antony'S Abossi Health Centre	200

Vaccine Type	Facilities	Receipts
	St Teresa Olokirikirai Dispensary	200
	Suswa Dispensary	275
	Takitech Dispensary	1,050
	Talek Health Centre	850
	Transmara West Sub-County Hospital	683
	Tree Of Life Healthcare Limited	100
	Narok East	2,390
	Narok South	100
	Narok West	2,110
	Transmara East	0
	Transmara West	330
Janssen (Ad26.COv2S) Total		40,340
Moderna	Nairagie-Enkare Health Centre	90
	Narok County Referral Hospital	1,796
	Olchorro Health Centre	44
	Olokurto Health Centre	58
	Olposimoru Dispensary	30
	Shepherds Hospital	50
	Narok East	50
Moderna Total		2,118
Oxford/AstraZeneca	Angata Health Centre	2,040
	Baraka Hospital	1,070
	Cmf Aitong Health Centre	3,020
	Elangata Enterit Dispensary	200
	Emarti Health Centre	950

Vaccine Type	Facilities	Receipts
	Emurua Dikirr Health Centre	3,400
	Emurutoto Health Centre	100
	Enabelbel Health Centre	1,550
	Enkipai Dispensary	210
	Enkitoria Dispensary	300
	Enkutoto Dispensary	200
	Enoosaen Health Centre	4,090
	Entargeti Dispensary	1,310
	Entasekera Health Centre	1,750
	Enturoto Community Medical Clinic	40
	Ereteti Dispensary (Narok South)	100
	Ewaso Ngiro Health Centre	1,500
	Fountain Medical Centre	322
	Ilaiser Dispensary	1,450
	Ilkerin Dispensary (Narok South)	600
	Ilmotiok Dispensary	50
	Kabolecho Dispensary	950
	Kapune Dispensary	350
	Kimintet Dispensary	1,390
	Kojonga Dispensary	1,050
	Kurangurik Health Centre	800
	Leshuta Dispensary	450
	Lolgorian Sub District Hosp	2,000
	Losho Dispensary	100
	Maji Moto Dispensary (Narok South)	200
	Mararianta Health Centre	500
	Mashangwa Dispensary	962
	Masurura Dispensary	50

Vaccine Type	Facilities	Receipts
	Mausa Dispensary	500
	Medicatia Hospital	400
	Megwara Dispensary	100
	Mogoiyuet Dispensary	60
	Morijo Loita Health Centre	300
	Mulot Health Centre	360
	Naikara Health Centre	640
	Nairagie-Enkare Health Centre	1,250
	Naishorua Medical Clinic	100
	Naisoya Dispensary	560
	Narok Cottage Hospital	20
	Narok County Referral Hospital	37,332
	Narolong Dispensary (Trans Mara West)	50
	Naroosura Health Centre	1,000
	Ngosuani Dispensary	500
	Nkararo Health Centre	2,700
	Nkareta Dispensary	400
	Nkoilale Health Centre	1,600
	Nkorinkori Dispensary	700
	Ntulele Health Centre	3,700
	Olasiti (Aic) Dispensary	400
	Olchoro Oirowa Dispensary	100
	Olchorro Health Centre	1,600
	Oldanyati Health Centre	1,440
	Olderkesi Dispensary	300
	Olengoloto Dispensary	1,600
	Olenkasurai Dispensary	100
	Olereko Dispensary	130

Vaccine Type	Facilities	Receipts
	Olesere Dispensary	300
	Olkinyei Dispensary	700
	Olkoroi Dispensary	100
	Olmekenyu Health Centre	2,950
	Olokurto Health Centre	1,400
	Ololchani Dispensary	1,100
	Ololulunga District Hospital	3,700
	Olorropil Dispensary	200
	Olposimoru Dispensary	760
	Rongena Dispensary (Narok West)	320
	Saire Dispensary	400
	Sakutiek Health Centre	300
	Salabwek Dispensary	380
	Saptet Dispensary	2,000
	Sekenani Health Centre	1,250
	Shankoe Dispensary	200
	Shartuka Dispensary	1,530
	Shepherds Hospital	280
	Siyiapei (Aic) Dispensary	40
	Soget Dispensary	1,370
	Sogoo Health Centre	3,000
	St Anthony Lemek Health Centre	600
	St Antony'S Abossi Health Centre	500
	St Teresa Olokirikirai Dispensary	420
	Suswa Dispensary	1,130
	Takitech Dispensary	8,300
	Talek Health Centre	2,510
	Transmara West Sub-County Hospital	2,920

Vaccine Type	Facilities	Receipts
	Narok East	1,770
	Narok South	150
	Narok West	3,780
	Transmara East	2,600
	Transmara West	3,950
Oxford/AstraZeneca Total		141,906
Pfizer	Angata Health Centre	600
	Baraka Hospital	240
	Cmf Aitong Health Centre	210
	Emarti Health Centre	72
	Emurua Dikirr Health Centre	222
	Enabelbel Health Centre	54
	Enkipai Dispensary	92
	Enoosaen Health Centre	210
	Entargeti Dispensary	444
	Entasekera Health Centre	100
	Enturoto Community Medical Clinic	124
	Ereteti Dispensary (Narok South)	198
	Ewaso Ngiro Health Centre	183
	Fountain Medical Centre	90
	Ilaiser Dispensary	80
	Kabolecho Dispensary	100
	Kapune Dispensary	246
	Kimintet Dispensary	58
	Kojonga Dispensary	120
	Kurangurik Health Centre	200
	Leshuta Dispensary	300

Vaccine Type	Facilities	Receipts
	Lolgorian Sub District Hosp	60
	Maji Moto Dispensary (Narok South)	144
	Mashangwa Dispensary	252
	Masurura Dispensary	66
	Medicatia Hospital	174
	Megwara Dispensary	400
	Mogoiyuet Dispensary	30
	Mulot Health Centre	1,278
	Naikara Health Centre	400
	Nairagie-Enkare Health Centre	398
	Narok Cottage Hospital	12
	Narok County Referral Hospital	2,661
	Naroosura Health Centre	48
	Ngosuani Dispensary	30
	Nkararo Health Centre	210
	Nkoilale Health Centre	2,340
	Nkorinkori Dispensary	300
	Ntulele Health Centre	200
	Oldanyati Health Centre	660
	Olengoloto Dispensary	240
	Olkinyei Dispensary	1,170
	Olmekenyu Health Centre	328
	Olokurto Health Centre	432
	Ololulunga District Hospital	1,820
	Rongena Dispensary (Narok West)	180
	Saire Dispensary	180
	Sakutiek Health Centre	90
	Saptet Dispensary	360

Vaccine Type	Facilities	Receipts
	Sekenani Health Centre	1,200
	Shartuka Dispensary	270
	Shepherds Hospital	60
	Soget Dispensary	60
	Sogoo Health Centre	144
	Takitech Dispensary	282
	Talek Health Centre	1,280
	Transmara West Sub-County Hospital	1,482
	Narok East	3,360
	Narok South	996
	Narok West	3,258
	Transmara East	0
	Transmara West	1,032
Pfizer Total		31,830
Grand Total		216,194

Appendix 6 - Utilization at Narok County Facilities as at 31 March 2022

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
Janssen (Ad26.COVS2S)	Angata Health Centre	700	653	0	0	0	0	47
	Cmf Aitong Health Centre	350	253	4	0	0	0	93
	Elangata Enterit Dispensary	100	96	0	0	0	0	4
	Emarti Health Centre	255	315	0	0	0	0	-60
	Emurua Dikirr Health Centre	750	2,471	5	0	0	0	-1,726
	Enabelbel Health Centre	1,650	889	1	0	0	0	760
	Enaibor Ajjik Dispensary	70	522	0	0	0	0	-452
	Enkipai Dispensary	25	40	0	0	0	0	-15
	Enkitoria Dispensary	1,000	264	366	0	0	0	370
	Enkutoto Dispensary	100	85	0	0	0	0	15
	Enoosaen Health Centre	680	768	1	0	0	0	-89
	Entargeti Dispensary	180	386	25	0	0	0	-231
	Entasekera Health Centre	950	562	132	0	0	256	0
	Entontol Dispensary	280	203	0	0	0	0	77
	Enturoto Community Medical Clinic	50	69	50	0	0	0	-69
	Ereteti Dispensary (Narok South)	500	966	0	0	0	0	-466
	Erusiai Dispensary	100	62	0	0	0	0	38
	Ewaso Ngiro Dispensary	175	152	0	0	0	0	23
	Ewaso Ngiro Health Centre	650	369	7	0	0	0	274
	Fountain Medical Centre	90	136	20	0	0	0	-66
Ilaiser Dispensary	100	597	1	0	0	0	-498	
Ilkerin Dispensary (Narok South)	400	271	1	95	0	0	33	
Ilmotiok Dispensary	45	87	0	0	0	12	-54	

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Kabolecho Dispensary	400	1,358	0	0	0	0	-958
	Kapune Dispensary	80	54	10	0	0	0	16
	Kimintet Dispensary	392	223	25	0	0	0	144
	Kojonga Dispensary	205	412	16	0	0	16	-239
	Kurangurik Health Centre	400	504	0	0	0	0	-104
	Leshuta Dispensary	200	214	1	0	0	0	-15
	Lolgorian Sub District Hosp	150	654	7	0	0	0	-511
	Losho Dispensary	200	74	1	0	0	0	125
	Maji Moto Dispensary (Narok South)	200	291	60	0	0	0	-151
	Mararianta Health Centre	200	28	130	0	0	0	42
	Mashangwa Dispensary	400	57	10	0	0	0	333
	Masurura Dispensary	60	2	50	1	0	0	7
	Mausa Dispensary	500	108	389	0	0	0	3
	Medicatia Hospital	1,950	2,660	18	0	0	0	-728
	Megwara Dispensary	100	108	40	0	0	0	-48
	Morijo Loita Health Centre	200	99	0	0	0	0	101
	Mulot Health Centre	900	2,554	1	0	0	0	-1,655
	Naikara Health Centre	200	97	6	0	0	0	97
	Nairagie-Enkare Health Centre	710	1,276	2	0	0	0	-568
	Naishorua Medical Clinic	50	25	0	0	25	0	0
	Naisoya Dispensary	335	388	0	0	0	0	-53
	Narok Cottage Hospital	360	270	0	0	0	0	90
	Narok County Referral Hospital	1,935	3,615	1,675	0	0	0	-3,355
	Naroosura Health Centre	630	1,150	0	0	0	0	-520
	Ngosuani Dispensary	300	281	20	0	0	0	-1

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Nkararo Health Centre	370	461	0	0	90	0	-181
	Nkareta Dispensary	100	286	0	0	0	0	-186
	Nkoilale Health Centre	600	383	161	0	0	61	-5
	Nkorinkori Dispensary	200	214	10	0	0	0	-24
	Ntulele Health Centre	420	333	36	0	0	0	51
	Olasiti (Aic) Dispensary	130	90	25	0	0	0	15
	Olchoro Oirowa Dispensary	50	3	0	0	0	0	47
	Olchorro Health Centre	650	540	70	0	0	0	40
	Oldanyati Health Centre	370	277	51	0	29	0	13
	Olderkesi Dispensary	100	103	0	0	0	0	-3
	Olengoloto Dispensary	120	222	1	0	0	0	-103
	Olenkasurai Dispensary	300	305	2	0	0	0	-7
	Oleroko Dispensary	50	5	53	0	0	0	-8
	Olesere Dispensary	200	25	76	0	49	75	-25
	Olkinyei Dispensary	100	96	0	0	0	0	4
	Olkoroi Dispensary	200	24	0	0	0	0	176
	Olmekenyu Health Centre	700	739	223	0	0	0	-262
	Olokurto Health Centre	400	750	70	0	0	0	-420
	Ololulunga District Hospital	2,270	1,761	11	0	0	0	498
	Olorropil Dispensary	300	748	60	0	0	0	-508
	Oposimoru Dispensary	330	291	0	0	0	0	39
	Osarara Dispensary	100	137	25	0	0	0	-62
	Rongena Dispensary (Narok West)	105	80	1	0	0	0	24
	Saire Dispensary	250	298	0	0	0	0	-48
	Sakutiek Health Centre	85	160	0	0	0	0	-75
	Saptet Dispensary	500	521	25	0	0	0	-46

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Sekenani Health Centre	1,240	1,129	74	0	0	0	37
	Shankoe Dispensary	50	17	30	0	0	0	3
	Shartuka Dispensary	100	326	2	0	0	0	-228
	Shepherds Hospital	245	867	0	0	1	0	-623
	Siyiapei (Aic) Dispensary	360	188	35	0	0	22	115
	Soget Dispensary	300	694	2	0	0	0	-396
	Sogoo Health Centre	500	550	58	0	0	0	-108
	St Antony'S Abossi Health Centre	200	81	0	0	0	0	119
	St Teresa Olokirikirai Dispensary	200	272	51	15	0	0	-138
	Suswa Dispensary	275	463	2	0	0	0	-190
	Takitech Dispensary	1,050	2,097	0	0	0	0	-1,047
	Talek Health Centre	850	604	122	0	0	0	124
	Transmara West Sub-County Hospital	683	1,640	0	0	0	0	-957
	Tree Of Life Healthcare Limited	100	39	55	0	6	0	0
	Narok East	2,390	244	1,400	0	0	0	746
	Narok South	100	1	-50	0	0	0	149
	Narok West	2,110	206	-300	0	0	0	2,204
	Transmara East	0	128	-10	0	0	0	-118
	Transmara West	330	328	-175	0	0	0	177
Janssen (Ad26.COVS) Total		40,340	45,444	5,270	111	200	442	-11,127
Moderna	Nairagie-Enkare Health Centre	90	41	0	0	0	0	49
	Narok County Referral Hospital	1,796	1,813	0	0	0	0	-17
	Olchorro Health Centre	44	15	0	0	0	0	29

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Olokurto Health Centre	58	135	0	0	0	0	-77
	Olposimoru Dispensary	30	0	0	0	0	0	30
	Shepherds Hospital	50	8	0	0	0	0	42
	Narok East	50	0	0	0	0		0
Moderna Total		2,118	2,012	0	0	0	0	56
Oxford/AstraZeneca	Angata Health Centre	2,040	1,361	0	0	0	0	679
	Baraka Hospital	1,070	732	0	0	0	0	338
	Cmf Aitong Health Centre	3,020	2,974	130	130	0	0	-214
	Elangata Enterit Dispensary	200	108	0	0	0	0	92
	Emarti Health Centre	950	1,110	0	0	0	0	-160
	Emurua Dikirr Health Centre	3,400	3,435	0	0	0	0	-35
	Emurutoto Health Centre	100	32	30	0	6	0	32
	Enabelbel Health Centre	1,550	1,054	0	0	0	0	496
	Enkipai Dispensary	210	152	0	0	0	0	58
	Enkitoria Dispensary	300	305	0	0	0	0	-5
	Enkutoto Dispensary	200	130	0	84			-14
	Enoosaen Health Centre	4,090	3,036	0	0	10	250	794
	Entargeti Dispensary	1,310	874	0	0	0	0	436
	Entasekera Health Centre	1,750	724	0	372	0	604	50
	Enturoto Community Medical Clinic	40	35	0	0	0	0	5
	Ereteti Dispensary (Narok South)	100	65	60	0	0	0	-25
	Ewaso Ngiro Health Centre	1,500	1,317	0	0	0	0	183
	Fountain Medical Centre	322	608	0	0	0	0	-286

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Ilaiser Dispensary	1,450	1,279	0	0	0	0	171
	Ilkerin Dispensary (Narok South)	600	220	0	240	0	0	140
	Ilmotiok Dispensary	50	7	0	50	0	0	-7
	Kabolecho Dispensary	950	1,698	0	0	0	0	-748
	Kapune Dispensary	350	85	170	0	0	0	95
	Kimintet Dispensary	1,390	629	0	0	0	0	761
	Kojonga Dispensary	1,050	1,125	0	0	0	73	-148
	Kurangurik Health Centre	800	582	0	0	0	0	218
	Leshuta Dispensary	450	269	0	0	0	0	181
	Lolgorian Sub District Hosp	2,000	2,769	0	350	0	0	-1,119
	Losho Dispensary	100	8	0	0	0	0	92
	Maji Moto Dispensary (Narok South)	200	11	130	0	0	0	59
	Mararianta Health Centre	500	391	0	250	0	40	-181
	Mashangwa Dispensary	962	466	190	0	0	0	306
	Masurura Dispensary	50	8	0	0	0	0	42
	Mausa Dispensary	500	243	0	0	0	0	257
	Medicatia Hospital	400	129	0	0	0	0	271
	Megwara Dispensary	100	169	0	0	0	0	-69
	Mogoiyuet Dispensary	60	115	0	0	0	0	-55
	Morijo Loita Health Centre	300	119	10	0	0	0	171
	Mulot Health Centre	360	1,211	0	0	0	0	-851
	Naikara Health Centre	640	575	0	0	0	0	65
	Nairagie-Enkare Health Centre	1,250	947	0	0	0	0	303
	Naishorua Medical Clinic	100	39	0	0	0	0	61
	Naisoya Dispensary	560	170	0	60	0	0	330

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Narok Cottage Hospital	20	3	0	0	0	0	17
	Narok County Referral Hospital	37,332	30,548	580	0	580	0	5,624
	Narolong Dispensary (Trans Mara West)	50	26	0	0	0	0	24
	Naroosura Health Centre	1,000	706	0	10	0	0	284
	Ngosuani Dispensary	500	172	0	0	0	0	328
	Nkararo Health Centre	2,700	1,510	0	0	477	0	713
	Nkareta Dispensary	400	201	0	0	0	0	199
	Nkoilale Health Centre	1,600	563	0	0	0	71	966
	Nkorinkori Dispensary	700	432	0	0	0	0	268
	Ntulele Health Centre	3,700	861	0	0	0	0	2,839
	Olasiti (Aic) Dispensary	400	285	0	0	0	0	115
	Olchoro Oirowa Dispensary	100	13	0	60	0	9	18
	Olchorro Health Centre	1,600	768	0	0	0	0	832
	Oldanyati Health Centre	1,440	1,115	50	220	65	0	-10
	Olderkesi Dispensary	300	34	0	258	0	0	8
	Olengoloto Dispensary	1,600	1,159	0	0	0	0	441
	Olenkasurai Dispensary	100	72	15	0	0	0	13
	Olereko Dispensary	130	2	0	0	0	0	128
	Olesere Dispensary	300	278	0	0	22	0	0
	Olkinyei Dispensary	700	439	700	0	0	0	-439
	Olkoroi Dispensary	100	6	0	0	0	0	94
	Olmekenyu Health Centre	2,950	1,313	0	0	0	0	1,637
	Olokurto Health Centre	1,400	1,530	0	0	0	0	-130
	Ololchani Dispensary	1,100	545	0	0	0	0	555
	Ololulunga District Hospital	3,700	2,338	0	0	0	0	1,362

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Olorropil Dispensary	200	54	0	0	0	0	146
	Olposimoru Dispensary	760	562	0	0	60	0	138
	Rongena Dispensary (Narok West)	320	128	0	90	0	70	32
	Saire Dispensary	400	576	0	0	0	0	-176
	Sakutiek Health Centre	300	403	0	0	0	0	-103
	Salabwek Dispensary	380	92	0	33	0	0	255
	Saptet Dispensary	2,000	2,176	0	0	0	0	-176
	Sekenani Health Centre	1,250	1,210	0	0	0	0	40
	Shankoe Dispensary	200	4	0	0	0	0	196
	Shartuka Dispensary	1,530	1,040	0	0	0	0	490
	Shepherds Hospital	280	993	0	0	0	0	-713
	Siyiapei (Aic) Dispensary	40	10	0	0	0	0	30
	Soget Dispensary	1,370	1,157	0	0	0	0	213
	Sogoo Health Centre	3,000	2,588	360	0	0	0	52
	St Anthony Lemek Health Centre	600	364	180	0	0	0	56
	St Antony'S Abossi Health Centre	500	323	0	0	0	0	177
	St Teresa Olokirikirai Dispensary	420	24	0	280	0	0	116
	Suswa Dispensary	1,130	871	160	160	0	127	-188
	Takitech Dispensary	8,300	4,382	0	0	200	0	3,718
	Talek Health Centre	2,510	2,718	100	100	0	0	-408
	Transmara West Sub-County Hospital	2,920	4,585	110	0	0	0	-1,775
	Narok East	1,770	428	4,340	0	0	0	-2,998
	Narok South	150	21	50	0	0	0	79
	Narok West	3,780	236	1,400	860	0	0	1,284
	Transmara East	2,600	142	1,490	0	0	0	968

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Transmara West	3,950	929	2,850	0	0	0	171
Oxford/AstraZeneca Total		141,906	102,251	13,105	3,607	1,420	1,244	20,279
Pfizer	Angata Health Centre	600	73	2	0	0	0	525
	Baraka Hospital	240	229	2	0	0	0	9
	Cmf Aitong Health Centre	210	346	85	0	0	0	-221
	Emarti Health Centre	72	215	0	0	0	0	-143
	Emurua Dikirr Health Centre	222	1,125	1	0	0	0	-904
	Enabelbel Health Centre	54	48	26	0	0	0	-20
	Enkipai Dispensary	92	20	2	0	0	0	70
	Enoosaen Health Centre	210	263	8	0	0	0	-61
	Entargeti Dispensary	444	494	20	0	0	0	-70
	Entasekera Health Centre	100	69	25	0	0	18	-12
	Enturoto Community Medical Clinic	124	76	0	0	18	0	30
	Ereteti Dispensary (Narok South)	198	284	0	0	0	0	-86
	Ewaso Ngiro Health Centre	183	21	0	0	0	0	162
	Fountain Medical Centre	90	66	0	0	0	0	24
	Ilaiser Dispensary	80	99	0	0	0	0	-19
	Kabolecho Dispensary	100	233	3	0	0	0	-136
	Kapune Dispensary	246	61	234	0	0	0	-49
	Kimintet Dispensary	58	1	0	0	0	0	57
	Kojonga Dispensary	120	357	0	0	0	32	-269
	Kurangurik Health Centre	200	313	0	0	0	0	-113

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Leshuta Dispensary	300	129	132	0	0	0	39
	Lolgorian Sub District Hosp	60	406	30	0	0	0	-376
	Maji Moto Dispensary (Narok South)	144	122	0	0	0	0	22
	Mashangwa Dispensary	252	85	156	0	0	0	11
	Masurura Dispensary	66	6	50	0	0	0	10
	Medicatia Hospital	174	56	0	0	0	0	118
	Megwara Dispensary	400	102	0	0	0	0	298
	Mogoiyuet Dispensary	30	29	0	0	0	0	1
	Mulot Health Centre	1,278	1,680	0	0	0	0	-402
	Naikara Health Centre	400	12	241	0	0	0	147
	Nairagie-Enkare Health Centre	398	1,512	1	0	0	0	-1,115
	Narok Cottage Hospital	12	0	0	0	0	1	11
	Narok County Referral Hospital	2,661	2,105	1,050	0	126	0	-620
	Naroosura Health Centre	48	50	0	0	0	0	-2
	Ngosuani Dispensary	30	18	27	0	0	0	-15
	Nkararo Health Centre	210	54	3	0	0	0	153
	Nkoilale Health Centre	2,340	405	652	0	0	87	1,196
	Nkorinkori Dispensary	300	230	18	0	0	0	52
	Ntulele Health Centre	200	606	20	0	0	0	-426
	Oldanyati Health Centre	660	365	0	0	11	0	284
	Olengoloto Dispensary	240	145	0	0	0	0	95
	Olkinyei Dispensary	1,170	46	0	0	0	0	1,124
	Olmekenyu Health Centre	328	113	242	0	0	0	-27
	Olokurto Health Centre	432	344	0	0	0	0	88
	Ololulunga District Hospital	1,820	1,593	14	0	0	0	213

Vaccine Type	Facilities	Receipts	Vaccinations Administered	Total Physical Count	Expired and Disposed (Qty)	Damaged and Disposed (Qty)	Wastage and Disposed (Qty)	Unaccounted For
	Rongena Dispensary (Narok West)	180	133	0	0	0	0	47
	Saire Dispensary	180	5	150	0	0	0	25
	Sakutiek Health Centre	90	132	1	0	0	0	-43
	Saptet Dispensary	360	47	13	0	0	0	300
	Sekenani Health Centre	1,200	365	819	0	0	0	16
	Shartuka Dispensary	270	105	5	0	0	0	160
	Shepherds Hospital	60	178	2	0	0	0	-120
	Soget Dispensary	60	91	0	0	0	0	-31
	Sogoo Health Centre	144	45	3	0	0	0	96
	Takitech Dispensary	282	1,017	1	0	102	0	-838
	Talek Health Centre	1,280	566	665	0	0	50	-1
	Transmara West Sub-County Hospital	1,482	443	30	0	0	0	1,009
	Narok East	3,360	0	1,200	0	0	0	2,160
	Narok South	996	0	78	0	0	0	918
	Narok West	3,258	0	0	0	0	0	3,258
	Transmara East	0	1	625	0	0	0	-626
	Transmara West	1,032	982	366	0	0	0	-316
Pfizer Total		31,830	18,716	7,002	0	257	188	5,667

Appendix 7: Disposal at Sub-County Level – Narok County

Sub-County	D1	D2	D3	D4	D5	D6	D7
Narok South	No	No	No	Yes	No	Yes	Yes
Narok East	No	No	No	Yes	No	No	Yes
Narok North	No	No	No	Yes	No	Yes	Yes
Narok West	No	No	No	Yes	No	Yes	Yes
Transmara West	No	No	No	No	No	Yes	No
Transmara East	No	No	No	No	No	No	Yes
Compliant	0	0	0	4	0	4	5
Non-Compliant	6	6	6	2	6	2	1

Key:

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 – Narok County

Sub-County	Facility	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
Narok East	AIC Olasit Dispensary	No	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Kojong'a Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Nairagie Enkare Health Centre	No	No	Yes	No	Yes	No	No	No	Yes	No	No	No
	Suswa Dispensary	No	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
	Ntulele Health Centre	No	No	Yes	Yes	Yes	No	No	No	Yes	No	No	No
	Illaiser Dispensary	Yes	No	Yes	No	Yes	No	No	No	Yes	No	No	Yes
Narok North	AIC Siaipeyi Dispensary	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes
	Anaiborr-Ajijik Dispensary	No	No	Yes	No	No	No	No	No	No	No	No	No
	Enabelbel Health Centre	Yes	No	Yes	No	Yes	No	No	No	Yes	No	No	No
	Ewaso Ngiro Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Fountain Hospital	No	No	Yes	Yes	Yes	No	No	Yes	Yes	No	No	Yes
	Medicatia Hospital	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Narok Cottage Hospital	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes
	Nkareta Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Olorropill Dispensary	No	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes	No	No
	Olposimoru Dispensary	No	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes	No	No
	Tree of Life Healthcare Limited	No	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes	No	No
	Entontol Dispensary	No	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes	No	No
	Erusiai Dispensary	No	No	Yes	Yes	Yes	No	No	No	Yes	No	Yes	Yes
	Narok County Referral	No	No	Yes	Yes	Yes	No	No	No	Yes	No	Yes	Yes
	Naisoya Dispensary	No	No	Yes	Yes	Yes	No	No	No	Yes	No	Yes	Yes
Olchorro Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
Oloikirikrai Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	

Sub County	Facility	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
	Losho Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Mara Rianda Health Center	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes
	Mulot Health Centre	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
	Nkoilale Health Centre	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	Nkorinkori Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Olchoro-Oiruwa Dispensary	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes
	Mogoiyuet Dispensary	Yes	No	Yes	No	Yes	No	No	No	Yes	No	No	No
	Olkoroi Dispensary	Yes	No	Yes	No	Yes	No	No	No	Yes	No	No	No
	Enturoto Community Medical Clinic	No	No	Yes	Yes	Yes	No	No	Yes	Yes	No	No	Yes
	Naishorua Medical Clinic	No	No	Yes	Yes	Yes	No	No	Yes	Yes	No	No	Yes
	Olderkesi Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Osarara Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	St Antony Lemeck Health Centre	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes
	Rongena Dispensary	Yes	No	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No
	Salabwek Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Talek Health Centre	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
	Meguara Dispensary	No	No	Yes	Yes	Yes	Yes	No	No	Yes	2	Yes	No
	Olesere Dispensary	No	No	Yes	Yes	Yes	No	No	No	Yes	Yes	No	Yes
	Sekenani Health Centre	Yes	No	Yes	Yes	Yes	No	No	No	Yes	No	Yes	No
	Kabolecho Dispensary	No	No	Yes	No	No	No	No	No	Yes	No	No	No
	Emurua Dikirr Health Centre	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Karungurik Health Centre	No	No	Yes	No	No	No	No	No	Yes	No	No	No
Transmara East	Soget Dispensary	No	No	Yes	No	No	No	No	No	Yes	No	No	No
	Takitech Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	St Anthony's Health Centre Abossi	No	No	No	No	No	No	No	Yes	No	No	No	No

Sub-County	Facility	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
Transmara West	Angata Health Centre	No	No	Yes	No	Yes	Yes	Yes	No	Yes	No	No	Yes
	Emarti Health Centre	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	Emurutoto Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	Enoosaen Health Centre	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Mashangwa Dispensary	Yes	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
	Olengoloto Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Kapune Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Enkipai Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Narolong Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Shankoe Dispensary	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No
	Shartuka Dispensary	No	No	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	No
	Transmara West SubCounty Hospital	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
	Entargeti Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes
	Lolgorian Sub District Hospital	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	No
	Masurura Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	No
	Oleroko Dispensary	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No
Ololchani Dispensary	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No	
	Compliant	23	0	87	60	76	59	57	16	86	58	45	38
	Non-Compliant	68	91	4	31	15	32	34	75	5	33	46	53

Key:

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 documentaion regarding approval for the transportation)
D8	Was there a pharmaceutical waste transported from one County to another had clearance from NEMA
D9	Does the facility have an incenerator, burning chamber or burning pit.
D10	Was the method used to dispose of sharp waste (syringes and needles) by the Healthcare facility and whether complying with the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used Covid-19 vaccines vials and ancillary supply (Treatment should be by Incineration, Sharps are to be incenerated while other waste is to be burnt in a burning chamber)
D11	Did the quantity and the method used in the disposal of any vaccine vials (both wasted and expired) by the Healthcare facility comply with the Guidelines for safe management of pharmaceutical waste and WHO Waste management of used Covid-19 vaccines vials and ancillary supply?(requirement is Treatment by disinfection with solution, encapsulation, autoclaving or inertization)
D12	Were the disposed vaccine vials recorded and accounted for in the vaccine inventory report?

Appendix 9: HR at Sub-County Level – Narok County

Sub-County	HR1	HR2	HR3	HR4	HR5	HR6	HR7
Narok East	Yes	Yes	Yes	Yes	Yes	No	Yes
Narok North	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Narok West	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transmara East	Yes	Yes	Yes	Yes	Yes	No	Yes
Transmara west	Yes	Yes	Yes	Yes	No	No	Yes
Narok South	Yes	Yes	Yes	Yes	Yes	No	Yes
Compliant	6	6	6	6	5	2	6
Non-Compliant	0	0	0	0	1	4	0

Key:

HR1	Was the County represented in National training for ToTs? If ✓ indated 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/subCounty/facility for the following Categories indicating their designation, attendance dates, Financier, etc?:

Appendix 10: HR at Facility Level – Narok County

Sub-County	Facility	HR1	HR2	HR3	HR4	HR5	HR6	
Narok East	AIC Olasit Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	
	Kojong'a Dispensary	Yes	Yes	Yes	Yes	Yes	No	
	Nairagie Enkare Health Centre	Yes	Yes	Yes	Yes	No	Yes	
	Suswa Dispensary	Yes	Yes	Yes	Yes	No	No	
	Ntulele Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	
	Illasier Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	
Narok North	AIC Siaipeyi Dispensary	Yes	Yes	No	Yes	Yes	Yes	
	Anaiborr-Ajijik Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	
	Enabelbel Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	
	Ewaso Ngiro Dispensary	Yes	Yes	No	Yes	Yes	Yes	
	Fountain Hospital	Yes	Yes	Yes	Yes	Yes	Yes	
	Medicatia Hospital	Yes	Yes	Yes	Yes	Yes	Yes	
	Narok Cottage Hospital	Yes	Yes	Yes	Yes	Yes	No	
	Nkareta Dispensary	Yes	No	No	Yes	Yes	Yes	
	Olchorro Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	
	Oloikirikrai Dispensary	Yes	Yes	Yes	Yes	No	Yes	
	Olokurto Health Centre	Yes	Yes	Yes	Yes	Yes	Yes	
	Olorropill Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	
	Olposimoru Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	
	Tree of Life Healthcare Limited	Yes	Yes	Yes	Yes	Yes	Yes	
	Entontol Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	
	Erusiai Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	
	Narok County Referral	Yes	Yes	Yes	Yes	Yes	Yes	
Naisoya Dispensary	Yes	Yes	Yes	Yes	Yes	Yes		

Sub-County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
	Sakutiek	Yes	Yes	Yes	Yes	Yes	Yes
	Sherpherd Hospital	Yes	Yes	Yes	Yes	Yes	Yes
	Olenkasurai Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
Narok South	Elangata Enterit Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Enkutoto Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Ilkerin Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Naroosura Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Olmekenyu Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Ololunga Sub-County Hospital	Yes	Yes	Yes	Yes	Yes	Yes
	Sogoo Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Entasekera Health Center	Yes	Yes	Yes	Yes	Yes	Yes
	Ewaso Ng'iro Health Centre	Yes	Yes	Yes	Yes	No	Yes
	Lorte Dispensary	Yes	Yes	Yes	Yes	No	No
	Maji moto Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Mausa Dispensary	Yes	Yes	Yes	Yes	No	No
	Saire Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Saptet Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Ngoswani Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
Narok West	AGC Naikarra Health Center	Yes	Yes	Yes	No	Yes	Yes
	Baraka Hospital	Yes	Yes	Yes	Yes	Yes	Yes
	CMF Aitong Health Center	Yes	Yes	Yes	Yes	Yes	Yes
	Enkitoria Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Ilmotook Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Leshuta Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Losho Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Mara Rianda Health Center	Yes	Yes	Yes	Yes	Yes	Yes

Sub-County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
	Mulot Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Nkoilale Health Centre	Yes	Yes	Yes	Yes	Yes	No
	Nkorinkori Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Olchoro-Oiruha Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Mogoiyuet Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Olkoroi Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Enturoto Community Medical Clinic	Yes	Yes	Yes	Yes	Yes	Yes
	Naishorua Medical Clinic	Yes	Yes	Yes	Yes	Yes	Yes
	Olderkesi Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Osarara Dispensary	Yes	Yes	Yes	Yes	Yes	No
	St Antony Lemeck Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Rongena Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Salabwek Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Talek Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Meguara Dispensary	No	No	Yes	Yes	Yes	Yes
	Olesere Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Sekenani Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
Transmara East	Kabolecho Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Emurua Dikirr Health Centre	Yes	Yes	Yes	Yes	Yes	No
	Karungurik Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Soget Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Takitech Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	St Anthony's Health Centre Abossi	No	Yes	Yes	Yes	Yes	Yes
Transmara West	Angata Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Emarti Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Emurutoto Health Centre	Yes	Yes	Yes	Yes	Yes	Yes

Sub-County	Facility	HR1	HR2	HR3	HR4	HR5	HR6
	Enoosaen Health Centre	Yes	Yes	Yes	Yes	Yes	Yes
	Kimintet Dispensary	No	No	Yes	No	Yes	Yes
	Mashangwa Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Narolong Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Shankoe Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Olengoloto Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Kapune Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Enkipai Dispensary	Yes	Yes	Yes	Yes	Yes	No
	Shartuka Dispensary	Yes	Yes	Yes	Yes	Yes	Yes
	Transmara West Sub-County Hospital	Yes	Yes	Yes	Yes	Yes	Yes
	Entargeti Dispensary	No	No	Yes	Yes	Yes	Yes
	Lolgorian Sub District Hospital	Yes	Yes	Yes	Yes	Yes	Yes
	Masurura Dispensary	No	No	Yes	Yes	Yes	Yes
	Olereko Dispensary	No	No	Yes	Yes	Yes	Yes
	Ololchani Dispensary	No	No	Yes	Yes	Yes	No
	Compliant	84	84	88	89	85	66
	Non-Compliant	7	7	3	2	6	25

Key:

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 it 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 dose 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 – Narok County

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

Key/Details:

CP1	Was a coordination taskforce/committee at the County and Sub-County formed?
CP2	Was a coordination taskforce/committee at the County and Sub-County formed?
CP3	Did the task force /committee have terms of reference?
CP4	Were the tors executed?
CP5	Did the County receive any directives/advisory/instruction from the national government in relation to covid-19 vaccination?
CP6	Did the County/subCounty taskforce communicate to the National Task force?
CP7	Did the committee/task force keep minutes of their meetings? Review the minutes of the different committees and note whether resolutions were implemented and any gaps in coordination (Populate the findings in the remarks column)
CP8	Did the County/subCounty carry out any advocacy?
CP9	Did the County/subCounty carried out mobilization?

Appendix 12: Coordination of Players at Sub-County Level – Narok County

Sub-County	CP1	CP2	CP3	CP4	CP5	CP6	CP7	CP8	CP9
Narok East	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Narok North	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Narok South	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Narok West	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transmara East	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transmara west	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compliant	6	6	6	6	6	6	6	6	6
Non-Compliant	0	0	0	0	0	0	0	0	0

Key:

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

Appendix 13: Coordination of Players at Facility Level – Narok County

Sub-County	Facility	CP1	CP2	CP3	CP4	CP5
Narok East	AIC Olasit Dispensary	Yes	Yes	Yes	Yes	Yes
	Kojong'a Dispensary	Yes	Yes	Yes	Yes	Yes
	Nairagie Enkare Health Centre	Yes	Yes	Yes	Yes	Yes
	Suswa Dispensary	Yes	Yes	Yes	Yes	Yes
	Ntulele Health Centre	Yes	Yes	Yes	Yes	Yes
	Illasier Dispensary	Yes	Yes	Yes	Yes	Yes
Narok North	AIC Siaipeyi Dispensary	Yes	Yes	Yes	Yes	Yes
	Anaiborr-Ajjik Dispensary	Yes	Yes	Yes	Yes	Yes
	Enabelbel Health Centre	No	No	Yes	Yes	Yes
	Ewaso Ngiro Dispensary	Yes	Yes	Yes	Yes	Yes
	Fountain Hospital	Yes	Yes	Yes	Yes	Yes
	Medicatia Hospital	Yes	Yes	Yes	Yes	Yes
	Narok Cottage Hospital	Yes	Yes	Yes	No	No
	Nkareta Dispensary	Yes	Yes	Yes	Yes	Yes
	Olchorro Health Centre	Yes	Yes	Yes	Yes	Yes
	Oloropill Dispensary	Yes	Yes	Yes	Yes	Yes
	Olposimoru Dispensary	Yes	Yes	Yes	Yes	Yes
	Tree of Life Healthcare Limited	Yes	Yes	Yes	Yes	Yes
	Entontol Dispensary	Yes	Yes	Yes	Yes	Yes
	Erusiai Dispensary	Yes	Yes	Yes	Yes	Yes
	Narok County Referral	Yes	Yes	Yes	Yes	Yes
	Naisoya Dispensary	Yes	Yes	Yes	Yes	Yes
Oloikirikrai Dispensary	Yes	Yes	Yes	Yes	Yes	
Olokurto Health Centre	Yes	Yes	Yes	Yes	Yes	

Sub-County	Facility	CP1	CP2	CP3	CP4	CP5
	Sakutiek	Yes	Yes	Yes	Yes	Yes
	Sherpherd Hospital	No	No	Yes	No	No
	Olenkasurai Dispensary	Yes	Yes	Yes	Yes	Yes
	Elangata Enterit Dispensary	Yes	Yes	Yes	Yes	Yes
	Enkutoto Dispensary	Yes	Yes	Yes	Yes	No
	Ilkerin Dispensary	Yes	Yes	Yes	Yes	Yes
	Naroosura Health Centre	Yes	Yes	Yes	Yes	Yes
	Olmekenyu Health Centre	Yes	Yes	Yes	Yes	Yes
	Ololunga SubCounty Hospital	Yes	Yes	Yes	Yes	Yes
	Sogoo Health Centre	Yes	Yes	Yes	Yes	Yes
	Ngoswani Health Centre	Yes	Yes	Yes	Yes	Yes
	Entasekera Health Center	Yes	Yes	Yes	Yes	Yes
	Ewaso Ngiro Health Centre	Yes	Yes	Yes	Yes	Yes
	Lorte Dispensary	No	Yes	Yes	Yes	Yes
	Maji moto Dispensary	Yes	Yes	Yes	Yes	Yes
	Mausa Dispensary	Yes	Yes	Yes	Yes	Yes
	Saire Dispensary	Yes	Yes	Yes	Yes	Yes
	Saptet Dispensary	Yes	Yes	Yes	Yes	Yes
	AGC Naikarra Health Center	Yes	Yes	Yes	Yes	Yes
	Baraka Hospital	Yes	Yes	Yes	Yes	Yes
	CMF Aitong Health Center	Yes	Yes	Yes	Yes	Yes
	Enkitoria Dispensary	Yes	Yes	Yes	Yes	Yes
	Ilmotook Dispensary	Yes	Yes	Yes	Yes	Yes
	Leshuta Dispensary	Yes	Yes	Yes	Yes	Yes
	Losho Dispensary	Yes	Yes	Yes	Yes	Yes
Narok South						
Narok West						

Sub-County	Facility	CP1	CP2	CP3	CP4	CP5
	Mara Rianda Health Center	Yes	Yes	Yes	Yes	Yes
	Mulot Health Centre	Yes	Yes	Yes	Yes	Yes
	Nkoilale Health Centre	Yes	Yes	Yes	Yes	Yes
	Mogoiyuet Dispensary	No	No	Yes	Yes	Yes
	Olkoroi Dispensary	No	No	Yes	Yes	Yes
	Enturoto Community Medical Clinic	Yes	Yes	Yes	Yes	Yes
	Naishorua Medical Clinic	Yes	Yes	Yes	Yes	Yes
	Olderkesi Dispensary	Yes	Yes	Yes	Yes	Yes
	Osarara Dispensary	Yes	Yes	Yes	Yes	Yes
	St Antony Lemeck Health Centre	Yes	Yes	Yes	Yes	Yes
	Nkorinkori Dispensary	Yes	Yes	Yes	Yes	Yes
	Olchoro-Oiruwa Dispensary	Yes	Yes	Yes	Yes	Yes
	Rongena Dispensary	Yes	Yes	Yes	Yes	Yes
	Salabwek Dispensary	Yes	Yes	Yes	Yes	Yes
	Talek Health Centre	Yes	Yes	Yes	Yes	Yes
	Meguara Dispensary	Yes	Yes	Yes	Yes	Yes
	Olesere Dispensary	Yes	Yes	Yes	Yes	Yes
	Sekenani Health Centre	Yes	Yes	Yes	Yes	Yes
	Kabolecho Dispensary	Yes	Yes	Yes	Yes	Yes
	Emurua Dikirr Health Centre	Yes	Yes	Yes	Yes	Yes
	Karungurik Health Centre	Yes	Yes	Yes	Yes	Yes
	Soget Dispensary	Yes	Yes	Yes	Yes	Yes
	Takitech Dispensary	Yes	Yes	Yes	Yes	Yes
	St Anthony's Health Centre Abossi	Yes	Yes	Yes	Yes	Yes
Transmara West	Angata Health Centre	No	No	Yes	Yes	Yes

Sub-County	Facility	CP1	CP2	CP3	CP4	CP5
	Emarti Health Centre	Yes	Yes	Yes	Yes	Yes
	Emurutoto Health Centre	Yes	Yes	Yes	No	No
	Enoosaen Health Centre	Yes	Yes	Yes	Yes	Yes
	Kimintet Dispensary	Yes	Yes	Yes	Yes	Yes
	Mashangwa dispensary	Yes	Yes	Yes	Yes	Yes
	Narolong Dispensary	Yes	Yes	Yes	Yes	No
	Shankoe Dispensary	Yes	Yes	Yes	Yes	Yes
	Olengoloto Dispensary	Yes	Yes	Yes	Yes	Yes
	Kapune Dispensary	Yes	Yes	Yes	Yes	Yes
	Enkipai Dispensary	Yes	Yes	Yes	Yes	Yes
	Shartuka dispensary	Yes	Yes	Yes	Yes	Yes
	Transmara West SubCounty Hospital	Yes	Yes	Yes	Yes	No
	Entargeti Dispensary	Yes	Yes	Yes	Yes	Yes
	Lolgorian Sub District Hospital	Yes	Yes	Yes	Yes	Yes
	Masurura Dispensary	Yes	Yes	Yes	Yes	No
	Olereko Dispensary	Yes	Yes	Yes	Yes	No
	Ololchani Dispensary	Yes	Yes	Yes	Yes	Yes
	Compliant	85	86	91	88	83
	Non-Compliant	6	5	0	3	8

Key:

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 and Supervision at County Level – Narok County

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

Key/Details:

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

Appendix 15: Monitoring and Supervision at Sub-County Level – Narok County

Sub-County	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
Narok East	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Narok North	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes
Narok South	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
Narok West	Yes	Yes	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes
Transmara East	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes
Transmara West	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Compliant	6	6	5	1	2	6	6	0	6	6	6	6
Non-Compliant	0	0	1	5	4	0	0	6	0	0	0	0

Key:

M1	Did the County designate an in charge/Committee for monitoring Covid-19 vaccine rollout?
M2	Did the County receive any tablets from the Ministry?
M3	Were the tablets distributed?
M4	Are the tablets in good working conditions?
M5	Are the Personnel involved in the rollout been receiving airtime?
M6	Did the County/Sub-County put in place any measures to ensure patients report adverse effect?
M7	Has the County/Sub-County/facility received Adverse effect booklet etc that are required to report adverse effects?
M8	Has the Sub-County/facility experienced any instance of adverse effect?
M9	Does the County/Sub-County/Facility monitor temperature during transportation of vaccines?
M10	Does the County/Sub-County record temperature every morning and evening in the temperature monitoring chart?
M11	Does the County/Sub-County/Facility monitor for the expiry of the vaccines?
M12	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 – Narok County

Sub-County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
Narok East	AIC Olasit Dispensary	Yes	No	No	Yes	No	No	No	Yes	Yes	Yes	Yes
	Kojong'a Dispensary	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Nairagie Enkare Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Suswa Dispensary	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Ntulele Health Centre	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Illasier Dispensary	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
Narok North	AIC Siaipeyi Dispensary	Yes	No	Yes	Yes	No	No	No	Yes	Yes	No	Yes
	Anaiborr-Ajijik Dispensary	Yes	No	No	Yes	Yes	No	No	No	Yes	No	No
	Enabelbel Health Centre	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Enkitoria Dispensary	No	No	No	Yes	No	No	No	No	No	No	No
	Ewaso Ngiro Dispensary	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes
	Fountain Hospital	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Medicatia Hospital	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Narok Cottage Hospital	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Nkareta Dispensary	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes
	Olchorro Health Centre	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Olorropill Dispensary	Yes	No	No	No	Yes	No	No	No	No	No	No
	Olposimoru Dispensary	Yes	No	No	No	Yes	No	No	No	No	No	No
	Tree of Life Healthcare Limited	Yes	No	No	No	Yes	No	No	No	No	No	No
	Entontol Dispensary	Yes	No	No	No	Yes	No	No	No	No	No	No
Erusiai Dispensary	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	
Narok County Referral	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes
Naisoya Dispensary	Yes	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes

Sub-County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
	Oloikirikrai Dispensary	No	No	No	Yes	No	No	Yes	Yes	Yes	No	Yes
	Olokurto Health Centre	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Sakutiek	Yes	No	No	No	Yes	No	No	No	No	No	No
	Sherpherd Hospital	No	No	No	Yes	No	No	Yes	No	Yes	Yes	No
	Olenkasurai Dispensary	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Elangata Enterit Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Enkutoto Dispensary	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Ilkerin Dispensary	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Naroosura Health Centre	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Olmekenyu Health Centre	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Ololunga SubCounty Hospital	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
Narok South	Sogoo Health Centre	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Ngoswani Health Centre	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes
	Entasekera Health Center	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Ewaso Ng'iro Health Centre	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Lorte Dispensary	No	No	No	Yes	No	No	Yes	Yes	Yes	No	Yes
	Maji moto Dispensary	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes
	Mausa Dispensary	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Saire Dispensary	Yes	No	Yes	Yes	No	No	No	No	Yes	No	Yes
	Saptet Dispensary	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No	Yes
	AGC Naikarra Health Center	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Narok West	Baraka Hospital	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	CMF Aitong Health Center	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Enkitoria Dispensary	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
	Ilmotook Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes

Sub-County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
	Leshuta Dispensary	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Losho Dispensary	No	No	No	Yes	No	No	Yes	Yes	Yes	No	Yes
	Mara Rianda Health Center	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Mulot Health Centre	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Nkoilale Health Centre	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Mogoiyuet Dispensary	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Olkoroi Dispensary	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Enturoto Community Medical Clinic	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Naishorua Medical Clinic	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Olderkesi Dispensary	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Osarara Dispensary	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	St Antony Lemeck Health Centre	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Nkorinkori Dispensary	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Olchoro-Oiruwa Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	No	Yes
	Rongena Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	No	Yes
	Salabwek Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Talek Health Centre	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes
	Meguara Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Olesere Dispensary	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
	Sekenani Health Centre	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Kabolecho Dispensary	No	No	No	Yes	Yes	No	No	Yes	Yes	No	Yes
	Emurua Dikirr Health Centre	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Karungurik Health Centre	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Soget Dispensary	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
	Takitech Dispensary	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	St Anthony's Health Centre Abossi	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes

Sub-County	Facility	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
Transmara West	Angata Health Centre	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Emarti Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
	Emurutoto Health Centre	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
	Enoosaen Health Centre	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Kimintet Dispensary	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Mashangwa Dispensary	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Ologoloto Dispensary	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Kapune Dispensary	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Enkipai Dispensary	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Narolong Dispensary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Shankoe Dispensary	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Shartuka Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Transmara West SubCounty Hospital	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Entargeti Dispensary	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Lolgorian Sub District Hospital	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Masurura Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
	Olereko Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Olochani Dispensary	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
	Compliant	68	24	44	85	69	9	56	83	85	54	82
	Non-Compliant	23	67	47	6	22	82	35	8	6	37	9

Key:

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

CONTACTS

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



[@OAG_Kenya](https://twitter.com/OAG_Kenya)



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