

REPUBLIC OF ZAMBIA MINISTRY OF HEALTH ZAMBIA NATIONAL MALARIA ELIMINATION CENTRE

MALARIA OPERATIONAL PLAN 2020-2021

Foreword

Over the past decade, progress has been made in reducing morbidity and mortality due to malaria. The gains that have been realised in this regard have been attributed to the scale up of key high impact preventive and curative interventions across the country. However, the disease still remains a major public health concern in Zambia. Malaria has been prioritised for elimination in Zambia as outlined in the National Health Strategic Plan (2017-2021) and the National Malaria Elimination Strategic Plan (2017-2021). In order to achieve this, the Ministry of Health through its National Malaria Elimination Program (NMEP) has adopted the deployment to scale of key high impact core interventions which include Indoor residual spraying, long lasting insecticide treated bed nets, prompt diagnosis and treatment at both community and health facility level. Additional innovative approaches to malaria programming have also been adopted and these include; where applicable population based parasite clearance interventions such as mass drug administration and index case follow-up and the adoption of an enhanced surveillance system to detect transmission hotspots at community level.

This 2 Year plan aims to guide the operational implementation of malaria programming for the years 2020 and 2021. It is premised in the overall strategic guidance provided in the National Health Strategic Plan (2017-2021) and the National Malaria Elimination Strategy (2017-2021) which serve as a framework for a coordinated and collaborative approach to malaria elimination in Zambia. Additionally, the strategies highlight the need to mobilize the requisite resources, strengthen the capacity of malaria elimination programme management, implement and monitor a package of high-impact malaria interventions driven by local epidemiology, while building a sustainable strong surveillance system. This plan will form the technical base in the development of harmonised annual work plans for the National, Provincial, District and health facility levels. The plan was developed through a consultative process of all key malaria partners and stakeholders and encompasses a collective approach to achieve malaria elimination in Zambia.

Malaria ends with me, and with you.

Dr. Kennedy Malama Permanent Secretary (TS)

MINISTRY OF HEALTH

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Acronyms and Abbreviations

ACT Artemisinin Based Combination Therapy

AL Artemether-lumefantrine

CHW Community Health Worker

CSA Central Statistics Agency

DHAP Dihydroartemisinin-piperaquine

EIR Entomological Inoculation Rate

HC Health Centre

HFCAs Health Facility Catchment Areas

iCCM Integrated Community Case Management

IPT Intermittent Presumptive Treatment

IRS Indoor Residual Spraying

LLINs Long Lasting Insecticide Treated Nets

LSM Larval Source Management

MDA Mass Drug Administration

MEC Malaria Elimination Council

MIP Malaria in Pregnancy

MIS Malaria Indicator Survey

MOH Ministry of Health

MSL Medical Stores Limited

MTR Mid-Term Review

NMESP National Malaria Elimination Strategic Plan

NMRL National Malaria Reference Laboratory

OR Operational Research

RAS Rectal Artesunate Suppositories

RDT Rapid Diagnostic Test

SBCC Social and Behavioral Change Communication

SDA Service Delivery Area

SP Sulphadoxine-pyrimethamine

TWG Technical Working Group

ZDHS Zambia Demographic and Health Survey

1.0 Introduction

Zambia is a landlocked country with a population estimate of about 17.9 million people, with an area of 752,612 square kilometers bordered by eight countries; majority of the population resides in rural areas (60%) (Zambia Statistics Agency, 2020). Administratively, the country is divided into 10 provinces and 118 districts.

The health care system in Zambia includes 109 hospitals, 1500 health centres (HCs) and 300 health posts (HPs) countrywide (MOH, 2013). Malaria control implementation occurs within this health system context at national, provincial, district and Health Facility Catchment Areas (HFCAs). All the health facilities serve as diagnostic and treatment centres for malaria while hospitalization is confined to health centres with admission space/wards. Procurement, storage and distribution of pharmaceutical products or commodities is centralized with some regional hubs in Eastern, Southern, Western and Copper-belt provinces. Medical Stores Limited (MSL) is the main entity managing the drug and logistics supply chain on behalf of the Ministry of Health (MoH). External partners may be outsourced as need arises.

Malaria transmission in Zambia occurs all year round with seasonal differences, peaking in the wetter months around December to March. Plasmodium falciparum is responsible for 98% of infections and the most predominant vectors are *Anopheles gambiae s.s., An. arabiensis, and An. funestus* (NMESP 2017-2021). In view of the heterogeneity in transmission across the country, annual malaria stratification is undertaken so as to align core interventions for each stratum based on the transmission level. Five levels of transmission are currently in use ranging from zero to very high transmission (NMEC MTR Report 2019). The country has recorded a 55% reduction in malaria mortality rate between 2015 and 2018 and a 53% decline in prevalence for the same period. However, malaria incidence reduction remains below 10% (NMEC MTR 2019). In 2018, there were about 5.2 million cases and over 1,400 deaths recorded country wide (HMIS 2019).

Malaria control follows a multipronged approach with implementation at HFCAs. Zambia, being a landlocked country, has a significant mobile and migrant population. As a result, cross border collaborations have been heightened. Monitoring and Evaluation (M&E) is characterized by regular activities to assess if the programme implementation is on track and to monitor progress on key indicators. The success of malaria control and elimination is dependent upon a strong partnership collaboration which includes public, private, non-governmental, academic and faith based institutions from both local and international networks.

Resource mobilization strategy is key and to achieve this, a business strategy is in place. The cost of the NMESP 2017-2021 is estimated to be US\$340 million with a gap of USD100 million (NMEP Business Plan 2018-2020). The main financing partners include Government, Global Funds for HIV/AIDS, Tuberculosis and Malaria (GFATM), Presidents' Malaria Initiative (PMI), PATH/MACEPA, Isdell-Flowers Cross Border Malaria Initiative, Rotarians and various private sector entities.

The National Malaria Elimination Centre (NMEC) in Zambia is a Ministry of Health (MOH) directorate mandated with overall coordination of all malaria control activities in Zambia (https://www.nmec.org.zm/). Some of the improvements in governance and coordination include harmonization of malaria work plans across partners; development of an online management tool to enable timely and transparent progress review; streamlining of the technical working groups (TWGs) which meet quarterly (vector, case management and SMEOR; MTEF technical updates restructured by health system levels; creation of malaria taskforce at all levels (MTR Report 2019). In order to improve the capacity of NMEC to plan and implement activities, the national staffing levels have increased from 40 to 52 staff while the position of malaria elimination officers has been introduced at district level with the provincial level having designated malaria focal points.

2.0 National Malaria Elimination Strategic Plan (NMESP) 2017-2021

2.1 Vision

A malaria free Zambia

2.2 Goals

- To eliminate local malaria infection and disease in Zambia by 2021.
- To maintain malaria-free status and prevent reintroduction and importation of malaria into areas where the disease has been eliminated.

2.3 Objectives

- Increase the implementation rate of interventions from 36 percent in 2015 to 95 percent by 2018.
- Reduce malaria incidence from 336 cases per 1,000 population in 2015 to less than 5 cases per 1,000 population by 2019.
- Increase malaria-free HFCAs from 0.5 percent in 2015 to 100 percent in 2021.
- Reduce malaria deaths from 15.2 deaths per 100,000 population in 2015 to less than 5 deaths per 100,000 population by 2021.
- Achieve 100 percent malaria-free status by 2021.
- Maintain 100 percent malaria-free status, following 2021.

2.4 Strategies

- Lowering the burden in high-transmission settings.
- Eliminating malaria in low-transmission settings.
- Preventing the reintroduction of malaria transmission.

These strategies are in line with the National Malaria Elimination Strategic Plan (NMESP) 2017-2021 with its accompanying business plan which seeks to address the gaps in investments. Furthermore, using updated information from the MTR of the NMESP, best practices were identified and prioritized for implementation to ensure attainment of the malaria elimination goals by moving to scale for all interventions and introducing efficiencies in programming. The NMEC will ensure investments are made to support the scale up of interventions to support the elimination agenda. Sources of financing will include Government, USAID Presidential Malaria Initiative (PMI), GFATM, etc. In addition, a national malaria elimination council (MEC) an inter-sectoral body has been established with a mandate for advocacy and resource mobilisation. In the first half of 2019, the MEC secretariat was set up commenced with resource mobilization activities focusing on innovative financing models.

2.5 Rationale for Malaria Elimination

The NMEC in Zambia is leading a campaign for malaria elimination. This is after careful consideration of the progress made in recent years towards addressing malaria and the trend that in many districts, malaria incidence has been reduced to levels where transmission interruption is a feasible objective. Also, considering that a delay in addressing elimination allows the problem of drug and insecticide resistance to emerge, making both malaria elimination and control more challenging in the future. There exists solid evidence that has accumulated over the last decade on approaches for addressing malaria, and new elimination tools are on the horizon. Being mindful of Zambia's domestic financial commitments to control malaria, which have led to the goal of elimination. Recognising the effective mechanisms that are being established to ensure proper coordination of malaria elimination activities with neighbouring countries, particularly where there is movement across international boundaries. Lastly, in tandem with the political and financial commitments from neighbouring countries and partners to achieve a greater impact and eliminate malaria.

2.6 Guiding Principles for Malaria Elimination

- The unit of elimination and of intervention implementation will be the HFCA.
- Malaria incidence thresholds will guide the intervention package towards the goal of malaria elimination.
- Epidemiologic and entomological information (clarified using data reviews and verification procedures) will be critical in directing action and tracking progress.

2.7 Key Elimination Interventions

Vector control: Integrated vector management to control vector borne diseases

- Indoor residual spraying (IRS) to cover at least 50% of the population.
- Long lasting insecticide-treated mosquito nets (LLINs) to cover at least 50% of the population.
- Larval source management (LSM) where applicable.

Case management

- Diagnosis: All suspected malaria cases to undergo microscopy or Rapid Diagnostic Test (RDT).
- Treatment: All confirmed malaria cases to receive prompt and effective antimalarial as per National policy.
- Malaria in pregnancy (MIP) package as per National policy
- Mass drug administration (MDA) where applicable.

3.0 National Malaria Elimination Strategic Plan (NMESP) Mid-Term Review

The Mid Term Review (MTR) of the NMESP 2017-2021 was undertaken between February and May 2019 with the following objectives:

- a) Assess the progress of the National Malaria Control Programme towards the epidemiological and entomological impact targets of the elimination strategy at mid-term.
- b) Review the level of financing of the NMEP at mid-term.
- c) Review the capacity of the NMEP to implement planned activities at mid-term.
- d) Review the attainment of programme outcome targets at mid-term.
- e) Define the programming implications of the lessons learned in the implementation of the elimination strategic plan for the remaining period to achieve the set goal of the plan.

The findings of the review were used to inform the strategic focus for the 2020-2021 MOP so as to improve program performance and allocation of resources. The key findings from the MTR are summarized in the sections below.

3.1 Programme Performance and Status of Outcome Indicators

Implementation rate of activities planned increased from 36 percent in the previous strategic plan to 89 percent in the period under review.

The progress on programme performance was average (bout 51%) with variations by strategic action. The best performance was recorded in strategic action to strengthen IRS implementation capacity in all HFCAs (86%); strengthening capacity of the NMESP to implement planned action (80%) and strengthening monitoring and evaluation

(71%). Above average performance was recorded in ITN ownership and use (69%) and management of malaria cases (64%). Below average performance was recorded in OR, LSM, surveillance and SBCC.

Over time, positive progress on key outcome indicators has been tracked using the Zambia Demographic Health Survey (ZDHS) and Malaria Indictor Survey (MIS) as summarized in table 1.

Table 1: Status of the key outcome indicators

Indicator	MIS 2006	DHS 2007	MIS 2008	MIS 2010	MIS 2012	2013/ 2014	MIS 2015	MIS 2018
% of households with at least one insecticide-treated net (ITN)	38	53	62	64	68	68	74	80
% of children ages 0–59 months who slept under an ITN the previous night	24	29	41	50	57	41	56	69
% pregnant women who splept under an ITN the previous night	24	33	43	46	58	41	NA	71
% of household members who slept under an ITN the previous night	19	N/A	34	42	49	35	53	64
% of households with at least one ITN per sleeping space	N/A	N/A	33	34	55	N/A	62	47
% of households receiving indoor residual spraying (IRS) in the previous 12 months	10	16	15	23	29	28	28	35
% of households covered by at least one ITN or recent IRS	43	N/A	68	73	74	75	78	84
% of women ages 15-49 years who received two doses of IPTp during most recent pregnancy	59	66	66	70	72	73	79	81
% of children ages 0-59 months who reported fever in the previous two weeks	33	18	28	34	24	21	16	19
% of children ages 0-59 months with fever taking antimalarial drugs which were ACTs	39	NA	30	76	85	91	92	96
% of children ages 0-59 months with fever reporting a finger/heel stick	N/A	N/A	11	17	32	49	36	55
% of women ages 15–49 years who recognize fever as a symptom of malaria	65	N/A	71	75	78	N/A	77	71
% of women ages 15–49 years who reported knowledge of mosquito bites as a cause of malaria	80	N/A	85	85	89	N/A	85	82
% of women ages 15–49 years who reported knowledge of mosquito nets/ITNs as a prevention method	78	N/A	81	82	86	N/A	91	86
% of children ages 0–59 months with malaria parasitaemia by microscopy	22	N/A	10	16	15	NA	17	9
% of children ages 0–59 months with severe anaemia (Hb<8 g/dl)	14	N/A	4	9	7	NA	6	5

Source: Malaria Program Mid Term Review Update Department Meeting: May 2019.ppt

3.2 Lessons learned

The Malaria program MTR undertaken in May 2019 provided valuable lessons which have been instrumental in informing the operational design of the interventions for 2020-2021.

Malaria mortality was reduced from 15.2 per 100,000 population in 2015 to 7 per 100,000 population in 2018, well above the 9 per 100,000 target. However, malaria incidence reduction was below the targeted 191 per 1000 in 2018; only a reduction from 382 per 1000 population in 2016 to 311 per 1000 in 2018 was attained. However, there was no available data to estimate prevalence by HFCA because the MIS provides for national and provincial estimates only. Discrepancies between official Census estimates and local head counts by health staff affected the reliability of malaria incidence and mortality estimates.

In terms of entomological impact, a reduction in entomological inoculation rate (EIR) was noted while the vector composition was such that there was suppression of *An. funestus* and an increase in *An. Arabiensis*. The biting

behaviour of *An. funestus* had changed from indoor to outdoor biting. Additionally, there was a change in the insecticide resistance profile of malaria vectors. In vector control, the NMEP achieved the milestones as the percentage of households with at least one ITN and/or sprayed by IRS in the last 12 months increased from 78% in 2015 to 84% in 2018 (MIS 2018). LLIN mass distribution campaign was implemented as planned, including piloting and rolling out if the school-based distribution.

The milestones for case management as per NMESP were achieved, however, this was not the case for MIP and MDA. The NMEP has built capacity for case management at community level but saturation had not yet been achieved by the time of the MTR. The rollout of pre-referral treatment using rectal artesunate (RAS) had commenced.

Progress had somewhat been made in SBCC, however, there is a need to understand lack of progress in prompt care seeking behaviour. Procurements for malaria commodities was undertaken according to plan (including buffer stock) for LLINs, RDTs in 2017 and Artemether/lumefantrine (AL) for most pack sizes in both 2017 and 2018. However, procurements for insecticides and RDTs in 2018 were less than what was planned. There were challenges with availability of Sulphadoxine-pyrimethamine (SP) countrywide.

Enhancements in malaria surveillance are not yet to scale. Population denominators continue to negatively affect the malaria stratification which in turn serves as a guide for planning key interventions. Reporting of routine distribution of LLINs continues to be suboptimal.

The National Malaria Elimination Business Plan 2018–2020 estimated a gap of approximately USD US\$ 100 million. The key cost drivers were integrated community case management of malaria (iCCM) and MDA. Planning and implementation of some activities still concentrated at the central level. During the period under review, malaria funding both from government and partners has shown some increase but the resource gap for achieving the goals remains.

3.3 Areas of Focus for the 2020-2021 Implementation Period

Based on the NMESP goals and in consideration of the MTR findings, the NMEP adopted key best practices for the remainder of the NMESP. These were deliberated upon by the relevant TWGs and have been prioritized for the 2020-2021 implementation period.

Some of these include sustaining progress in reducing malaria mortality; addressing the factors and bottlenecks contributing to delaying implementation of planned activities. Use incidence by HFCA as an indicator. Use head count for programme implementation and Central Statistical Agency (CSA) population for indicator estimates. In order to attain entomological impact, there will be need to increase the number of fully operational sites for entomological surveillance.

Given the need for the programme to attain elimination goals, there is need to strengthen resource mobilisation so that the gap in financing need is addressed. In order to introduce efficiency, efforts will be made to decentralise operational planning and management to the provinces and districts. The NMEP will continue to harness and explore innovative mechanisms to improve domestic investments in malaria elimination to ensure sustainability of the interventions in support of the elimination agenda.

With regard to malaria vector control, the plan is to ssustain achievements in vector control and accelerate towards the set targets. Eligible structures for IRS will be determined by enumeration. For LLIN need, head counts will be utilised and the core approach for LLINs mass campaigns will be door-to-door. Where applicable, community-based IRS will be implemented. Efforts will be made to mobilise more resources for storage facilities for vector control commodities.

The programme intends to accelerate CHW training and deployment to achieve saturation so as to implement prereferral treatment of severe malaria with RAS to scale. There is need to scale up MDA according to NMESP and mobilise resources to ensure malaria commodity security. The NMEC will continue to monitor the efficacy of the key antimalarial drugs used for treatment. Efforts will be made to ensure that the National Malaria Reference Laboratory has full functionality to support malaria quality assurance and control. To ensure uptake of interventions, SBCC will be prioritised SBCC within the budget.

Adequate funding commitments and timely disbursement of funds will greatly improve the procurement performance. There are plans to scale up "storage in a box" to more health centres and also to ensure that facilities being built have adequate storage space.

Moving forward, the NMEC will use head count for programme implementation and CSA population for indicator estimates. Roll out to scale the enhanced malaria surveillance package. Collate the data sets into a central repository to enhance programme implementation. Institutionalise data quality audit and reviews at district level to ensure availability of quality data to inform decision making for efficient allocation of resources and improved program performance.

4.0 Operational Plan

4.1 Purpose of the Malaria Operational Plan 2020-2021

To guide the operationalization of the last two years of the NMESP 2017-2021. The MOP will be used in collaboration with the NMESP 2017-2021; National Malaria Surveillance, Monitoring and Evaluation Plan 2017-2021; Malaria Business Plan; MTR 2019 Report and other relevant documents. In the 2020-2021 period, the focus will be to build upon the progress made in the implementation of the NMESP and addressing the MTR 2019 recommendations so as to ensure that the malaria elimination goals are attained while ensuring that social and environmental safeguards are in place.

In developing the MOP, all stakeholders were fully engaged, consulted and participated in the review so as to gain consensus on the strategic focus areas for each of the service delivery components. The main service delivery areas and the respective strategic actions are summarised in table 2. The cost estimates for the remainder of the NMSEP are yet to be defined.

4.2 Service Delivery Areas

This operational plan (2020-2021) covers five service delivery areas (SDAs) as shown in Table 2.

Table 2: Service delivery areas, strategic actions and policies

Service delivery area	Strategic action/s	Policy/guideline
Malaria Case Management	Strengthen the management of malaria cases	Parasitological diagnosis of all suspected malaria cases; First-line treatment of uncomplicated P. falciparum malaria with Artemether Lumefantrine; Injectable artesunate for severe malaria with quinine as an alternate. For severe malaria patients between 6 months to 6-year-old who are unable to immediately access parenteral treatment (from hard-to-reach areas), pre-referral intervention with rectal artesunate (RAS) at the community level. In the first trimester, pregnant

Service delivery area	Strategic action/s	Policy/guideline
		women with malaria are treated with quinine and Artemether Lumefantrine after the first trimester. MIP: Free LLINs at first ANC visit and monthly administration of intermittent preventive treatment in pregnancy (IPTp) with Sulphadoxine-pyrimethamine (SP) after the first trimester until delivery, and overall prompt diagnosis and treatment of malaria. MDA: dihydroartemisinin piperaquine (DHAP) administered twice a year, for two years consecutively in selected areas.
Vector Control	 Strengthen IRS implementation capacity in all Health Facility Catchment Areas Improve ITNs Ownership and Use Strengthen entomological surveillance Strengthen Larval Source Management Strengthen entomological surveillance 	Universal vector control coverage with LLINs and IRS. The current NMEP guidance for LLIN and IRS campaign planning is to cover 50 percent of the population with LLINs, and 50 percent with IRS, allowing for a 10 percent overlap in order to minimise gaps. Additional interventions such as LSM will be deployed where applicable.
Social and Behaviour Change Communication	 Strengthen the capacity to implement social behavioral change communication 	The national malaria communication strategy is in place to guide districts and communities on appropriate and effective communication approaches, messages, materials and community engagement activities. It also aims to promote uptake of proposed intervention packages and actions based on transmission intensity levels.
Surveillance, Monitoring, Evaluation and Operations Research	 Strengthen the surveillance system at all levels Strengthen the Monitoring and Evaluation Strengthen operational Research 	SMEOR is anchored on the following guiding principles: i) To provide timely and sound evidence to guide the implementation and policymaking process for malaria elimination in Zambia. ii) To strengthen capacity to monitor and evaluate the performance of malaria programmes. iii) To conduct research for evidence-based programming.
Programme Management	Strengthen Capacity of the National Malaria Elimination Programme to implement planned activities.	Focuses on a strengthened system for resource mobilisation. Decentralised operational planning and management to the provinces and districts.

4.3 Operational Plan by Service Delivery Area

4.3.1 Service Delivery Area: Malaria Case Management

Service Delivery Area Objective: To have 100% of all suspected malaria cases managed according to Guidelines for Diagnosis and Treatment of Malaria in Zambia at all levels.

Strategic Action: Strengthen the management of malaria cases.

Strategic Action Objectives:

- Improving the proportion of suspected malaria cases receiving parasitological diagnosis from 96% in 2018 (HMIS) to 98% in 2020 and 100% in 2021.
- Increasing the proportion of children under five with fever who took an antimalarial drug which was an artemisininbased combination therapy (ACT) increased from 96% in 2018 (MIS 2018) to 100% in 2021.

Key Findings from the 2019 Programmatic Mid Term Review

- The milestones for case management as per NMESP were achieved however, this was not the case for MIP and MDA.
- The NMEP has built capacity for case management at community level but saturation has not yet been achieved.
- The rollout of pre-referral treatment using RAS has commenced.
- Take advantage of the increased capacity to train CHWs.
- Accelerate CHW training and deployment to achieve saturation.
- Implement pre-referral treatment with RAS to scale.
- Scale up MDA according to NMESP.
- Continue to monitor the efficacy of the key antimalarial drugs used for treatment.
- Ensure that the National Malaria Reference Laboratory has full functionality to support malaria quality assurance and control.
- Hospitals have the highest reported cases of clinical malaria.
- Reported cases of clinical malaria from private practitioners.
- Low utilization of microscopy for malaria diagnosis.
- Stock out of SP for IPTp

Recommended Best Practices

Take advantage of the increased capacity to train CHWs.

- Accelerate CHW training and deployment to achieve saturation.
- Increase the capacity to train CHWs by training more trainers.
- Ensure availability of RDTs and ACTs by timely distribution of adequate commodities.
- Oversight to CHWs by provincial and central levels
- District quarterly supervision of CHWs.
- Monthly supervision of CHWs by facility staff.

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Implement pre-referral treatment with Rectal Artesunate Suppository (RAS) to scale.

- Trainings in management of severe malaria in health facilities and community level in the use of RAS.
- Enhance documentation of severe malaria in health facilities.
- Selective roll out Rectal RAS in a phased approach.
- Ensure availability of injectable Artesunate, Quinine injection, RAS, AL, RDTs and microscopy reagents by timely
 distribution of adequate quantities of these commodities.

Scale up Mass Drug Administration (MDA) according to NMESP.

- Reducing transmission by parasite clearance using MDA for burden reduction in all HFCAs according to NMESP.
- Target mobile populations as in most cases they harbour parasites and transmit to those who already received MDA.
- Reactive community MDA and IRS.
- Forecasting and quantification of commodities for MDA.
- Use quantification report to lobby for funds from partners and GRZ

Malaria in Pregnancy (MIP)

- Strengthen the MIP component in OTSS.
- Timey procurement and distribution of SP.
- Enhance the management of MIP through the malaria case management trainings

Ensure that the National Malaria Reference Laboratory (NMRL) has full functionality to support malaria quality assurance and control

- Mobilise resources.
- Accreditation of reference laboratory.
- Increase the number of microscopy sites.

Table 3: Case Management

		ATION										
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Task 1: Strengthening of the 3 designated national reference laboratories (NMEC,UTH &TDRC)	Number of functional reference laboratories/ Malaria QA Report	-	100%									
Activities												
National												
WHO Accreditation of 2 staff from each reference laboratory (total 6).				X	X				X	X		
Competence assessment for Microscopists in the 3 reference laboratories			X	X	X	X	X	X	X	Х		
Re- certification of the 3 already certified Microscopists					X			X				
Conduct quality assurance visits			Х	Х	Х	Х	Х	Х	Х	Х		

						TIMEF	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Conduct quarterly proficiency testing activities			Х	Х	Х	Х	Х	X	Х	Х
Conducting of malaria Competency assessments for Microscopists			X	X	X	X	Х	X	X	Х
Coordination of the malaria diagnosis core group meetings			Х	Х	X	Х	X	X	X	Х
Printing and distribution of the malaria quality assurance manual			X		X		X		X	
Provincial Participate in quality assurance visits			X	Х	Х	Х	Х	X	X	Х
Participate in malaria microscopy competence assessments			X	X	X	Х	Х	X	X	X
Participate in the collection of training and proficiency training materials			Х	X	X	Х	Х	Х	X	X
<u>District</u>				.,	1,,	1,,				.,
Participate in Quality assurance visits			X	X	X	X	X	X	X	X
Participate in malaria microscopy competence assessments			X	X	X	X	X	X	X	X
Participate in the collection of training and proficiency training materials			X	X	X	Х	Х	Х	X	Х
Health Facility Participate in Quality assurance visits			X	Х	Х	Х	Х	X	Х	X
Participate in malaria microscopy competence assessments			Х	X	X	Х	Х	X	X	Х
Participate in the collection of training and proficiency training materials			X	X	X	Х	Х	X	X	Х
Task 2: Improve the quality of malaria case management in	Number of health facilities participating in		25%	25%	25%	25%	25%	25%	25%	25%

						TIMER	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
3,500 health facilities and 5,000 community	QIP/ QIP Reports									
level										
Activities										
National										
Start the review of			Х	Х	Х	Х	Х	Х	Х	Х
the malaria diagnosis and treatment guidelines 4th edition 2020?										
Dissemination of the malaria diagnosis and treatment guidelines			Х	Х	Х	X	X	X	Х	X
Conduct malaria case management refresher trainings				Х		X		X		X
Coordinate quarterly clinical meetings in General, central and district hospitals			Х	X	X	X	X	X	Х	Х
Coordinate bi- annual Provincial OTSS to all microscopy health facilities				X		X		X		Х
Conduct quarterly quality assurance visits			Х	Х	X	Х	X	Х	Х	Х
Provincial										
Coordinate quarterly district OTSS			X	Х	Х	Х	Х	Х	Х	Х
Conduct quarterly Supportive supervision			X	X	X	X	X	X	X	X
Participate in clinical meetings			Х	Х	Х	Х	Х	Х	Х	Х
Conduct bi-annual OTSS to all microscopy health facilities			Х	X	X	X	X	X	Х	Х
Participate in the review of the malaria diagnosis and treatment guidelines			X	X	X	X	X	X	X	X
District Conduct quarterly supportive supervision to			X	X	X	X	X	X	X	X

						TIMEF	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
selected										
communities										
Participate in bi-				Χ		Χ		Χ		Х
annual OTSS for										
health facilities with										
malaria microscopy										
services										
Participate in clinical			Χ	Х	Χ	Χ	Χ	Χ	Χ	Х
meetings										
Participate in			Χ	Х	Χ	Χ	Χ	Χ	X	Х
quarterly district										
OTSS										
Health Facility										
Conduct monthly			Χ	Х	Х	Χ	Х	Х	Х	Х
supportive							1			
supervision to										
trained CHWs							1	1		
Participate in clinical			Χ	Х	Χ	Χ	Χ	Χ	Χ	Х
meetings										
Participate in			Χ	Х	Х	Χ	Х	Х	Χ	Х
quarterly district										
ÖTSS Ő										
Task 3: Generation	Number of	0	10	20	10	10	50	50	50	50
of 50 panels of well	panels									
characterized	collected/NMRL									
malaria	Report									
microscopy	•									
training and										
proficiency testing										
materials										
National										
Coordinate the	†	-								
			Χ	X	Х	Χ	Х	Х	X	Х
collection of slide			Х	X	Х	Х	Х	Х	X	Х
			Х	X	Х	Х	X	Х	X	Х
panels			X		X		X			
panels Disseminate the				X		X		X	X	X
panels Disseminate the panel generation										
panels Disseminate the panel generation protocol										
panels Disseminate the panel generation protocol Train the			X	X	X	X	X	X	X	X
collection of slide panels Disseminate the panel generation protocol Train the Microscopists in the collection of panels			X	X	X	X	X	X	X	X
panels Disseminate the panel generation protocol Train the Microscopists in the collection of panels			X	X	X	X	X	X	X	X
Disseminate the panel generation protocol Train the Microscopists in the collection of panels Characterization of			X	X	X	X	X	X	X	X
panels Disseminate the panel generation protocol Train the Microscopists in the collection of panels Characterization of the collected panels			X	X	X	X	X	X	X	X
panels Disseminate the panel generation protocol Train the Microscopists in the collection of panels Characterization of the collected panels Storage and			X	X	X	X	X	X	X	X
panels Disseminate the panel generation protocol Train the Microscopists in the collection of panels Characterization of the collected panels Storage and distribution of the			X	X	X	X	X	X	X	X
Disseminate the panel generation protocol Train the Microscopists in the collection of panels Characterization of the collected panels Storage and distribution of the panels			X X X	X X X X	X X X	X X X X	X X X	X X X	X X X	X X X
Disseminate the panel generation protocol Train the Microscopists in the collection of panels Characterization of the collected panels Storage and distribution of the panels Conduct quality			X	X	X	X	X	X	X	X
Disseminate the panel generation protocol Train the Microscopists in the collection of panels Characterization of the collected panels Storage and distribution of the panels Conduct quality assurance visits			X X X	X X X X	X X X	X X X X	X X X	X X X	X X X	X X X
panels Disseminate the panel generation protocol Train the Microscopists in the collection of panels Characterization of the collected panels Storage and distribution of the panels Conduct quality assurance visits Province			X X X	X X X X X	X X X X	X X X X X	X X X	X X X	X X X	X X X X
panels Disseminate the panel generation protocol Train the Microscopists in the collection of panels Characterization of the collected panels Storage and			X X X	X X X X	X X X	X X X X	X X X	X X X	X X X	X X X

					TIMEFRAME					
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Participate in the distribution and storage of slide panels			Х	Х	X	Х	X	X	X	X
Districts										
Utilization and storage collected panels			X	X	X	X	X	X	X	X
Task 4: Ensure universal supply and availability of malarial drugs and RDTs	Percentage of health facilities with no stock outs of malaria commodities for more than a week/Quarterly report	88% (eLMIS)	100	100	100	100	100	100	100	100
Activities										
National					1			1		
Forecasting and quantification of malaria drugs and RDTs					Х				Х	
Timely Procurement and distribution of commodities as guided by Pipeline			X	X	Х	Х	Х	X	Х	Х
Conduct quarterly malaria commodity review meetings			Х	Х	Х	X	Х	X	X	Х
Conduct spot checks to districts and facilities			Х	Х	X	Х	X	X	X	Х
Monitor stock levels of malaria case management commodities (drugs/RDTs)			X	X	X	X	X	X	X	X
Monitoring and verification of facilities that order large quantities			Х	Х	Х	X	X	X	X	X
Provincial Redistribute commodities in cases of stock outs, understock and overstock to the districts District			X	X	X	X	X	X	X	X
Timely ordering of commodities			X	X	Х	Х	Х	Х	Х	Х

						TIMEF	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Timely assessment of the commodities			Х	Х	X	Х	Х	Х	Х	Х
Redistribution of commodities in cases of stock outs, understock and overstock to the facilities			X	Х	X	X	X	X	X	X
Health Facility										
Timely ordering of commodities			Х	Х	Х	Х	Х	Х	Х	Х
Timely assessment of the commodities			Х	Х	Х	Х	Х	Х	Х	Х
Task 5: Roll out of the Community Health Workers Logistics System (CHWLS)	Percentage of community health workers reporting/Quarte rly report	0%	4750	4750	4750	4750	4750	4750	4750	4750
Activities										
National										
Conduct TOTs for trainers			Х	Х	Х	Х				
Provide Technical support for the system			Х	Х	Х	Х	X	X	X	X
Provincial Coordinate training for districts			X	Х	Х	X	X	X	Х	Х
Provide oversight to the districts			Х	Х	Х	Х	Х	X	X	Х
District										
Train facility staff and CHWs			Х	Х	Х	Х	Х	Х	Х	Х
Supervise facilities			Χ	Х	Х	Χ	Χ	Χ	Χ	Χ
Health Facility										
Supervise the CHWs			X	Х	Х	Х	Х	Х	Х	Х
Coordinate and train CHWs			X	Х	Х	Х	X	Х	Х	Х
Task 6: Scale up uptake of iPTp (Sulphadoxine Pyrimethamine)	Percentage of women who received 3+ doses of intermittent preventive treatment during antenatal care (ANC) visits during their last pregnancy/Quar	67% MIS 2018	75	80	85	90	95	100	100	100

	INDICATOR/ME ANS OF VERIFICATION terly report and	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
										Q ,
	MIS/ZDHS									
Activities										
National										
Forecasting and					Х				Х	
Quantification										
Procurement and distribution of SP			X	Х	Х	Х	Х	Х	Х	Х
Orientation of Trainers in the WHO ANC policy guidelines.							X	X	Х	Х
Provide Technical			Х	Х	X	Х	Х	X	X	Х
support for the implementation of the ANC guidelines			^							
Digitalise ANC			Х							
checklist into the										
electronic data										
system for OTSS										
Conduct spot			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
checks										
Provincial										
Coordinate the			Χ	Χ	Χ	Х	Χ	Χ	Χ	X
training activities (OTSS and WHO ANC policy guidelines)										
Monitoring of the implementation of the WHO ANC			Х	X	X	X	Х	X	Х	Х
guidelines										_
District Implement OTSS.			X	X	X	X	X	X	X	X
Conduct SMAG trainings			^	^	^	^	^	^	^	
Health Facility		_								1
Timely ordering of SP			Х	Х	Х	Х	Х	Х	Х	Х
Adhere to guidelines			Х	Х	Х	Х	Х	Х	Х	Х
Provide health			Χ	Х	Χ	Х	Χ	Х	Х	Χ
education to pregnant women (promote early ANC booking)										
Complete ANC register			Х	X	Х	Х	Х	Х	Х	Х
Community										
SMAG in the community promote early ANC booking			Х	Х	X	Х	Х	Х	Х	Х

						TIMEF	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 7: Generation of accurate data for forecasting and quantification of malaria commodities.	Percentage of facilities reporting accurate data/Quarterly report	80%	100	100	100	100	100	100	100	100
Activities										
National										
Conduct logistics data quality audits in the facilities							X	X	X	X
Support provincial data review meetings							X	X	X	X
Provincial Conduct provincial data review meetings							X	Х	X	X
Participate in logistics data quality audits in the facilities							Х	X	X	Х
District Review reports and requisition from facilities			X	X	X	X	X	X	X	X
Strengthen documentation			Х	Х	Х	Х	Х	Х	Х	Х
Attend provincial review meetings Health facility							Х	Х	Х	Х
Update stock control cards Complete report and requisition with correct data			X	X	X	X	X	Х	X	X
Conduct physical count of commodities			Х	Х	Х	Х	Х	X	X	X
Attend provincial review meetings							Х	Х	Х	Х
Task 8: Lobby to include indicators that are required for quantification but are missing in HMIS. National										
Convene meeting to finalize on indicators to be added to HMIS			X							

						TIME	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Meetings with M&E unit at MOH to			Х	Х						
discuss the										
indicators and way forward										
Task 9: Re-										
Introduce the use of ACT registers in										
public Health facilities to ensure										
commodity										
security										
National										
Finalize the ACT register format			Х							
Write memo through			X							
PS to all facilities to										
start using the ACT										
register (hard cover										
books) and attach										
format.							V	- V	V	V
Print ACT registers Monitor and provide				X	X	Х	X	X	X	X
Technical support				^	^	^	^	^	^	^
on use of ACT										
registers										
Provincial										
Monitor use of ACT				Х	Х	Х	Х	Х	Х	Х
register										
Distribute printed							Χ	Х	Χ	Χ
ACT registers to										
districts										
Districts										
Supervise use of				X	X	X	X	Χ	X	Х
ACT registers							1,,	1,,	1.,	1,,
Distribute printed							X	Х	Х	Х
ACT register to facilities										
Facilities							-			1
Use ACT register				X	X	Х	X	X	X	
correctly				^	^		^	^	^	
Task 10:	Percentage of	75%	80%		85%	<u> </u>	90%		100%	
Strengthen	facilities with	. 5,0	3370		3370		33,0		1.50 /0	
logistics	staff trained in									
management of	logistics system									
malaria										
commodities.										
Activities							1			
National							1			1
TOTs in logistics			X		Х		X		X	
and supply chain										1

						TIMEF	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
management system of antimalarial and RDTs										
Training health workers in logistics and supply chain management system of malaria commodities (LMIS)			Х	X	Х	Х	X	X	X	X
Conduct supportive supervision in logistics management system to health facility and community			X	X	X	X	X	X	X	X
Core group trainings in logistics and supply chain management			X	X	X	X	X	X	X	X
Provincial Provide Supportive supervision to DHOs DHOs			X	X	Х	Х	Х	X	X	X
Identify staff for trainings			X	Х	Х	Х	Х	Х	Х	Х
Generate reports following the trainings			X	X	Х	Х	Х	X	X	X
Facilities										
Reports generated at least monthly			Х	Х	Х	Х	Х	Х	Х	Х
Stock assessment			X	Х	X	X	Χ	Х	Χ	Х
Task 10: Scale up CHW & H/F staff training in harmonized curriculum (36,000 CHWs plus 2,400 staff as supervisors)	Number of Health Workers Trained (CHW and HF staff)Training report and attendance logs	Harmonized Curriculum	4,750 CHW/600 HF	4,750 CHW/6 00HF	4,750 CHW /600HF	4,750 CHW/6 00 HF				
Activities									1	_
National										
Convene TOTs meeting			Х	Х						
Coordinate TOT trainings in the Provinces.			Х	X						

						TIME	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Coordinate the training of the CHWs and Staff			Х	Х	Х	Х				
Conduct quality assurance visits for ICCM Provincial			Х	X	Х	Х	Х	Х	Х	Х
Coordinate TOT			X	X	X	Х				
trainings										
Participate to ensure guidelines are followed during CHWs trainings			X	X	X	X				
Participate in the combined technical support supervision planned by Central level			X		X		X		X	
Distribute bicycles to districts				Х	Х	Х	Х	Х	Х	Х
District										
Convene iCCM training meetings			Х							
Conduct iCCM trainings			Х	Х	Х	Х				
Conduct technical support supervision to health facilities			Х	Х	Х	Х	Х	Х	Х	Х
Health Facility										
Conduct monthly support supervision & mentorship to CHWs			X	X	X	X	X	X	X	X
Conduct monthly support supervision & mentorship to CHWs			X	Х	X	X	X	X	Х	X
Task 11: Procurement of 25 000 bicycles for CHWs										
Activities										
National										
Convene meeting to discuss the procurement of bicycles by stakeholders			Х							
Prepare request for authority to purchase bicycles			Х	X	Х					

						TIME	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Preparation of inquiries to tenders			Х	Х	Х					
Tendering: Opening and closing			Х	Х	Х					
Evaluation of tenders			Х	Х	Х					
Submissions of tender papers to the procurement			X	X	Х					
Award of notification				Х	Х					
Write to ministry of finance to approve the purchase				X	Х					
Write to ministry of Justice					Х					
Call the approved suppliers for signing.					Х					
Delivery and inspection					Х					
Distribution of bicycles to the Province					Х	Х	Х	Х		
Province										
Distribution of bicycles to districts and health facilities					Х	Х	X	Х		
Districts Distribution of					X	X	Х	Х		
bicycles to health facilities										
Health Centre Distribution of bicycles to CHWs					Х	X	Х	Х		
Task 12: Procurement of 3200 Phones for CHWs										
Activities										
National										
Convene meeting to discuss the procurement of phones by stakeholders			Х							
Prepare request for authority to purchase phones			Х	Х						
Preparation of inquiries to tenders			X	Х						
Tendering: Opening and closing			X	Х	Х					

						TIMEF	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Evaluation of tenders			Х	Х	Х					
Submissions of			Х	Х	Х					
tender papers to the			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		^					
procurement										
Award of notification			Х	Х	Х					
Write to ministry of			X	X	X	Х	Х			
finance to approve					^	^				
the purchase										
Write to ministry of			Х	Х	Х	Х	Х			
Justice						``				
Call the approved			Х		Х	Х	Х			
suppliers for signing.				Х		``				
Delivery and			Х	X	Х	Х	Х			
inspection										
Distribution of				.,		,,				
phones to the			Х	Х	Х	Х	X			
Province				_			-	_		
Training of District &					\ \ <u>\</u>		V.			
facility staff in			X	Х	Х	Х	Х	X		
malaria rapid										
reporting (MRR)			V		V/	V				
Support supervision & mentorship			Х	Х	Х	Х	Х	X	Х	Х
Task 13:										
Incorporate the			X	X						
use of RAS in										
iCCM trainings by										
addition of extra										
days to the training										
Convene TOTs			Χ	Х	Х	Х	Х	Х	Х	Χ
meeting										
Coordinate TOT			X	Х	Χ	Χ	X	X	X	Χ
trainings in the										
Provinces.										
Coordinate the					Х					
training of the CHWs and Staff										
Participate in			Χ	Х	Х	Х	Х	Х	Х	Χ
forecasting and						1				
quantification of										
RAS						1				
Task 14: Roll out Rectal Artesunate										
Suppository in a						1				
phased approach.		1			1		1	1	1	
Provincial			V		V	- V	1	1	+	1
Coordinate selection			X	Х	Х	Х				
of eligible districts/										
health facilities for										
CHWs trainings						1				

						TIME	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Participate in forecasting and quantification for RAS			Х							
Distribute RAS to the districts			X	Х	Х	Х	Х	Х	Х	Х
District										
Distribute RAS to the health facility			X	Х	Х	Х	Х	Х	Х	Х
Training CHWs in RAS administration incorporated in				X	Х	X	Х	X	Х	Х
Conduct support			X	Х	X	X	X	Х	Х	X
supervision										
Health Facility			X	X	X	X	X	X	X	Х
Distribute RAS to the CHWs										
Use RAS as pre- referral where possible			X	X	X	Х	X	X	X	X
Conduct support supervision & mentorship				Х	Х	Х	Х	Х	Х	Х
Task 15: Scale up Mass Drug Administration in districts where applicable	Number of districts implementing MDA/Quarterly report									
Activities	·									
Develop selection criteria to apply MDA			Х							
Disseminate selection criteria to provinces			Х	Х	Х	Х				
Develop flow chart for procurement of Dhap for MDA			X							
Mobilise resources			X	XX						
Consolidate population to benefit from Dhap from the Provinces			X							
Forecasting and Quantify for MDA			Х							
Procure DHAP			Х							
Distribute DHAP to the Provinces			X	Х	Х	Х	Х	Х	Х	Х
Consolidate the Province/districts			Х							

INDICATORIME ANS OF VERIFICATION BASELINE Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4							TIME	RAME			
applied		ANS OF	BASELINE	Q1	Q2	Q3			Q2	Q3	Q4
Plan for the MDA campaign Conduct TOTs for the provinces Technical Support supervision to Provincial TOTs Provincial TOTs Provincial TOTs Provincial TOTs Provincial Disseminate selection criteria to Districts Consolidate population to benefit from DHAP from the districts where MDA will be applied Park to benefit from DHAP from the districts where MDA supervision to districts Total the Districts Consolidate the Conduct TOTs for the districts where MDA supervision to districts Total the DHAP from the districts where MDA supervision to district support supervision to district support Su	where MDA will be										
campaign Conduct TOTs for the provinces Technical Support Supervision to Provincial Disseminate selection criteria to Distribute DHAP to the districts applied in the district in											
Conduct TOTs for the provinces Technical Support supervision to Provincial TOTs Provincial TOTs Provincial Disseminate selection criteria to Districts Consolidate population to benefit from DHAP to the districts Consolidate the districts Technical Support Supervision to districts Consolidate the districts Consolidate the districts Technical Support Supervision to district when the districts when the district variety of the the the district when the districts when the district when the the district when the district when the the district when the district when the the district when t				Χ	X						
the provinces Technical Support supervision to Provincial TOTs Provincial Disseminate selection criteria to Districts Consolidate population to benefit from DHAP from the districts Districts Districts Districts Districts Consolidate the districts where MDA will be applied Plan for the MDA campaign Conduct TOTs for the district trainings Technical Support supervision to district trainings Participate in the campaign District Distric											
Technical Support supervision to Provincial TOTs Provincial TOTs Provincial TOTs Support supervision to Support supervision to Support					Х			X		X	
supervision to Provincial TOTs Provincial TOTs Provincial Disseminate selection criteria to Disseminate selection criteria to Districts Consolidate population to benefit from DHAP from the districts where MDA will be applied Plan for the MDA campaign Conduct TOTs for the districts Technical Support supervision to district trainings Participate in the campaign District D											
Provincial TOTS Provincial Disseminate selection criteria to Districts Consolidate population to benefit from DHAP from the districts Distribute DHAP to the Districts Consolidate the districts Distribute DHAP to the Districts Consolidate the districts Distribute DHAP to the Districts Consolidate the districts where MDA will be applied Plan for the MDA campaign Conduct TOTs for the districts Technical Support supervision to district trainings Participate in the campaign District Disseminate Selection criteria to Health facility Consolidate Distribute DHAP to the health facilities where MDA vill be applied Conduct TOTs for the district trainings Rarticipate in the campaign Total Rarticipate in the campaign					X		X		X		X
Provincial Disseminate Selection criteria to Districts Consolidate population to benefit from DHAP from the districts Districts Districts Districts Technical Support Suppor											
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District X <				^	^	^	^	^	^	^	^
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Health facilities where MDA will be applied Conduct trainings for the health facilities Technical Support X X X X X X X X X X X X X X X X X X X					X	1					
where MDA will be applied					``						
applied											
Conduct trainings for the health facilities											
for the health facilities					X	X	X	X	X	X	X
facilities X X X X Technical Support X X X X					^	^	^`		1	^	^`
Technical Support X X X X											
					X		X		X		Х
	Supervision				' '						

						TIME	RAME			
	INDICATOR/ME ANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Participate in the campaign				Х	Х	Х	Х	Х	Х	Х
Health Facility										
Consolidate population to benefit from Dhap from the Community				X	X	X	X	X	X	X
Distribute Dhap to the CHW					Х	Х	Х	Х	Х	Х
Consolidate the communities where MDA will be applied				Х	Х	Х	Х	Х	X	Х
Plan for the MDA campaign				Х						
Supervise selection of CHW to be trained					Х	Х	Х	Х	Х	Х
Conduct trainings for the CHW					Х	Х	Х	Х	Х	Х
Technical Support supervision					Х		Х		Х	
Participate in the campaign				Х	Х	Х	Х	Х	Х	Х
Neighbourhood health committee level										
Supervise selection of CHWs to be trained.				Х	X	Х	Х	Х	Х	X

4.3.2 Service Delivery Area: Vector Control

Service Delivery Area Objective: To ensure universal access to vector control malaria elimination strategies to potentially reduce malaria risk infections and epidemics.

4.3.2.1 Strategic Action: Strengthen IRS implementation capacity in all Health Facility Catchment Areas

Strategic Action Objective: To attain operational coverage of over 90 percent of eligible structures benefitting up to 80 percent of the population of Zambia, in a timely manner according to transmission season.

Key Findings from the 2019 Programmatic Mid Term Review

- In 2017 the total number of eligible structures 3,281,046 and the targeted were 2,331,898 and we managed spray 1,915,821 denoting 82% against the target and 58% against the total eligible structures
- In 2018 the total number of eligible structures 3,281.046 and the targeted were 1,958,905 and we managed spray 1,798,995 denoting 92% against the target and 55% against the total eligible structures
- Population protected in 2017 was 7,800,704 (55%) and in 2018 the population protected was 7,451,289 (52.5%)

 There was a reduction in the people protected in 2018 due to the reduction in the number of targeted eligible structures

Recommended Best Practices

- 1. Conduct community IRS
- 2. Implementing IRS before the onset of the rain season/cultivation/harvest of caterpillars.
- 3. Timely procurement and distribution of adequate, appropriate and quality IRS Commodities
- 4. Timely disbursement of implementation funds
- 5. Servicing and maintenance of spray pumps after and before the next IRS Campaign
- 6. District Micro planning for IRS
- 7. Enumeration of all the eligible structures before micro planning
- 8. Use of community mobilizers in IRS
- 9. Use of team leaders in supervision
- 10. Using Direct Observation of Spray forms
- 11. Pre Spraying Environmental Assessment (helps to ensure that environmental safe guards are in place)
- 12. Use of Mobile money system to pay the spray teams
- 13. Post IRS Review Meeting
- 14. Incident Reporting in IRS operations
- 15. IRS Needs Assessment

Table 4: Vector Control: IRS

					TIME	FRAN	ΛE			
	INDICATOR/MEANS of VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1				•		•				•
Task 1: Conduct community IRS	Number of communities implementing Community Based IRS/IRS Monitoring Report			comn	nunitie: ces	s in		comn	nunitio	es in
Activities										
National										
Convene national post IRS meeting			х				Х			
Disseminate IRS guidelines			Χ				Х			
Coordinate IRS activities						Х				Х
Procure and distribute IRS logistics				Х				Х		
Provincial										
Convening IRS micro planning meetings			Χ				Χ			
Participate in national post IRS meeting			Χ				Χ			
Collate community IRS needs Assessment			Χ				Χ			
District										
Preparation of IRS micro plan			Х				Х			
Identification and consolidation of			Χ				Х			

communities that will									
conduct IRS									
Conduct assessment and		Χ				Х			
quantification of IRS		^				^			
requirement									
Prepare IRS base for IRS			Χ				Х		
campaign (stores, soak pit,									
Sanitary facility, water									
source)									
Train Spray Operators				Χ				Χ	
Train Spray enumerators		Χ		,,		Х		<u> </u>	
Participate in TOT				Χ				Χ	
Dispose of IRS waste		Χ				Х			
Health Facility		,,							
Conduct medical				Χ				Х	
examination for spray				^					
operators									
Assess if the SOPs meet				Χ				Χ	
the selection criteria								^	
Aggregation of the eligible		Χ				Х			
structures		^				^`			
Construct Mobile Soak Pits			Χ				Χ		
Supervise spray operators					Х		<u> </u>		Х
Community									
Enumeration of eligible		Χ				Х			
structures		^				^`			
Identification of spray				Χ				Х	
operators and community								^	
mobilizers									
Identification of storage			Х				Χ		
facilities			, ·				``		
Spraying of eligible					Χ				Χ
structures									
Task 2: Implementing IRS	Number of Districts that start				ı		ı	ı	
before the onset of the	IRS by October/ IRS	116	distri	cts		116	distri	cts	
rain	Implementation Report								
season/cultivation/harvest	, ,								
of caterpillars in all 116									
districts									
Activities									
National									
Coordinate all IRS activities		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Conduct IRS quality		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
assurance field visits									
Disburse and distribute				Χ				Χ	
funds and IRS commodities									
in time									<u></u>
Provincial									
Review micro plans		Χ				Χ			
Collate IRS needs for all the		Χ				Х			
districts			L	<u>L</u>	<u>L</u>		L	L	<u> </u>
Convene IRS micro		Χ				Х			
planning									
Participate in TOT trainings				Χ				Χ	
for enumerators									
Convene IRS micro planning Participate in TOT trainings		X		X		х		X	

District									
Conduct needs assessment		Χ				Х			
Train spray operators				Χ		,,		Х	
Facilitate medical				X				X	
examinations for spray									
operators									
Servicing of spray pumps			Х				Х		
Prepare IRS base			X				X		
Health Facility							^		
Recruit spray operators				Χ				Х	
Community				^					
Timely enumeration of		Χ				Х			
eligible structures		^				^			
Identification of Spray				Χ				Х	
operators				^				^	
Task 3: Timely	Number of sprayers	500) enra	yers, 80	100	1000) enra	yers,	8000
procurement and	procured and distributed			s, 938,94					2,842
distribution of adequate,			hets (+1		nets (2,042
appropriate and quality	Sets of PPEs procured and distributed		cticid				cticid		
IRS Commodities		11136	Cliciu	C 3		11136	Cliciu	C 3	
into commodities	Number of sachets of								
	insecticide procured								
	and distributed/Procurement								
Activities	or PM report			1					1
National									
Procure and distribution of		Χ				Χ			
commodities (5000		^				^			
sprayers, 8000 sets PPEs,									
938,947 sachets of									
insecticides) following the									
lead time									
Provincial		Χ				Χ			
Aggregate all the required		X				X			
commodities		^				^			
District									
Conduct needs assessment		Χ				Χ			
Task 4: Timely	Number of district that		distri	oto.			distri	ot o	
disbursement of	received Implementation	110	uistri	CIS		110	uistri	CIS	
implementation funds	funds by September/ Funds								
implementation funds	Transfer Schedule and EFTA								
	duly endorsed by the bank								
Activities	daily chaoroca by the bank								
National									
Timely processing and				Χ				Х	
disbursement of funds to all				^				^	
provinces and districts									
Provincial									
Timely processing and				Χ				Х	
disbursement of funds to all				^				^	
non-sub recipients									
District									
Utilize the funds according					Χ				Χ
to the budget									^
to the budget			1	l .	1		1	1	<u> </u>

Task 5: Servicing and maintenance of spray pumps after and before the next IRS Campaign	Number of districts with adequate and functional spray pumps/ Inventory report; Needs assessment report	All t non spra dist	all functional and non-functional sprayers in 116 districts						
Activities									
National									
Procurement and		Х		Χ		Χ		Χ	
distribution of repair kits									
Provincial									
Aggregate the required		Х				Χ			
spare parts from all the									
districts									
District									
Assessment and		X				Χ			
quantification of the									
required spare parts									
Servicing of the pumps			Χ				Χ		
Task 6: District Micro planning for IRS	Number of districts that prepared and submitted micro plans on time/ Micro planning reports and or Finalized budgets and spray calendars	10 F con	10 Provincial meetings convened						
Activities									
National									
Facilitate provincial micro		X				Χ			
planning meetings									
Provincial									
Convene the micro planning		X				Χ			
meeting									
District									
Prepare the IRS micro plans		X				Χ			
and budgeting			<u> </u>				<u> </u>	<u> </u>	
Task 7: Enumeration of all the eligible structures before micro planning	Number of districts that conducted enumeration of eligible structures before micro planning/ Enumeration	116	116 districts			116	distri	cts	
	reports; Geo cording reports; Map showing enumerated and verified structures								
Activities									
National						ļ.,			
Aggregation of enumerated		X				Х			
structures					1		ļ	1	
Conduct quality assurance		X				X	ļ		
Facilitate provincial TOTs		X				Χ			
for training of enumerators			1						
Provincial					-	V			
Aggregation of enumerated structures		Х				X			
Monitoring of enumeration		X				Χ			
of structures in the districts									
District							<u> </u>		
Training of enumerators		X				Χ			

Monitoring of enumeration		Х			Х					
Aggregation of enumerated		Х			Х					
structures										
Health Facility										
Supervising enumeration of		Х			Х					
eligible structures										
Training of CBVs		Х			Х					
Aggregation of enumerated		Х			Х					
structures										
Community										
Physical counting of eligible		Х			Х					
structures (Geo coding)										
Task 8: Use of	Number of community	2 Mol	2 Mobilisers per day			2 Mobilisers per day				
community mobilizers in IRS HFCA	mobilizers engaged per community per day/ Mobilization reports; Acceptance rate for IRS Spot checks	in ead HFCA	in each spraying HFCA							
Activities										
National										
Production and Distribution		Х			Х					
of IEC materials										
Quality assurance field			Х	Х		Х	Х			
visits										
Provincial										
Support Districts to conduct			Х	Х		Х	Х			
community mobilization for										
IRS in their catchment										
areas										
District										
Convene a stakeholders			Х	Х		Х	Χ			
meeting										
Training of community			Х			Х				
Mobilizers										
Support health facilities to			Х	Х		Х	Х			
conduct community										
mobilization for IRS in their										
catchment areas										
Health Facility										
Identification of community			X			X				
mobilizers										
Supervision of community				Х			Χ			
mobilization										
Community										
Conduct community		I T		Х			Χ			
Mobilization and										
Sensitization(Door to Door)										
Identification of community			X			Х				
mobilizers(CBIRS)										
Task 9: Use of Team	Number of team leaders	1125 team leaders 115			1158 t	team leac	lers			
Leaders in IRS	used in supervision of Spray									
supervision	Operators/ DOS forms filled									
	by team leaders; Team leader engagement form; IRS monitoring reports;									

	Team leaders report forms								
Activities									
National									
Production and Distribution		Х				Χ			
of IRS guidelines									
Quality assurance field					Χ				Χ
visits									
Provincial									
Convene a TOT meeting for				Χ				Х	
team Leaders/supervisors									
Quality assurance field				Χ	Х			Х	Χ
visits in the districts									
District									
Training of Team				Χ				Х	
leaders/SOPs				,,				^`	
Supervision of team leaders					Х				Х
Health Facility	+				 ^`	1		1	<u> </u>
Identification of Team	+			Χ		1		Х	
leaders				^				^	
Supervision of spray					Χ	+		+	X
operators					^				
Community									
Supervision of Team					Χ				Х
leaders (CBIRS)					^				^
Task 10: Using Direct	Number of SOPs observed	5.00)Do ob	served	hu	E 0/)Do o	baam	ed by
Observation of Spray			team		Бу		team		
forms	using a DOS Form/ DOS Forms filled in by the Team								
1011115	Leaders		y uay operat	during	ı		ration		ng IRS
Activities	Loudoio		opo.u.			Opc	1000	Ī	
National									
Development and printing of		X				Х			
the DOS Forms		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				^			
Provincial									
Timely Distribution of the				Χ				Х	
DOS forms to the districts				^					
District									
Aggregation of the scores					Χ				Х
from the DOS forms					^				
Health Facility									
Supervision using the DOS					Х				Х
Forms by supervisors					^				^
Community									1
supervision using the DOS					Χ			-	Х
					^				^
Forme by toom loaders	i l	116	distric	to	<u> </u>	116	distri	otc.	<u> </u>
Forms by team leaders Task 11: Conduct Pro	Number of Districts that	1 1 1 1	นเอเทีเด	ເວ					
Task 11: Conduct Pre	Number of Districts that	'''							
Task 11: Conduct Pre Spraying Environmental	passed the pre spraying	110				ass	essed		
Task 11: Conduct Pre	passed the pre spraying Environmental compliance					ass	esseu		
Task 11: Conduct Pre Spraying Environmental	passed the pre spraying Environmental compliance Assessments/ PSECA					ass	esseu		
Task 11: Conduct Pre Spraying Environmental Assessment	passed the pre spraying Environmental compliance		Г		ı	ass	esseu		1
Task 11: Conduct Pre Spraying Environmental Assessment Activities	passed the pre spraying Environmental compliance Assessments/ PSECA					ass	essed		
Task 11: Conduct Pre Spraying Environmental Assessment Activities National	passed the pre spraying Environmental compliance Assessments/ PSECA						essed		
Task 11: Conduct Pre Spraying Environmental Assessment Activities	passed the pre spraying Environmental compliance Assessments/ PSECA	X				X	essed		

Conduct pre spray		Χ		Х		Х		Х	
environmental inspections									
Provincial		.,				.,			
Work together with national		X		Χ		Χ		Х	
level in conducting pre									
spray inspections District									
Rehabilitation/construction			Χ				Χ		
of IRS bases			^				^		
Health Facility									
Rehabilitation/construction			Х				Χ		
of IRS base			^				^		
Community									
Rehabilitation/ construction			Χ				Χ		
			^				^		
of mobile soak pits									
Task 12: Use of Mobile money system to pay the	Number of spray operators and supervisors paid								
spray teams (7334 SOPS	through mobile/ Verified and			7334					7334
and Supervisors)	signed pay sheets;								
	Confirmatory SMS; Mobile								
	money statements								
Activities									
National									
Engaging mobile money				Χ				Χ	
providers									
Aggregate spreadsheet for				Χ				Χ	
all the spray operators									
Verifications of phone				Χ				Х	
numbers against the									
namesS									
Provincial									
Aggregate spreadsheet for				Х				Χ	
all the spray operators									
District				V				V	
Verifications of phone				Χ				Χ	
numbers against the names Determination of the					Χ				Χ
					^				^
amount each spray operator is entitled									
Health Facility									
Facilitate registration of sim				Х				Χ	
cards								^	
Community									
Own an active sim card				Χ				Х	
registered with mobile				'				``	
money									
Task 13: Hold 10	Number of post IRS			5	5			5	5
provincial Post IRS review	Meetings convened/ Post								
meetings	IRS Review meeting reports								
Activities									
National									
Facilitate the Post IRS		Χ			Χ	Χ			Χ
Meeting									

Develop the Post IRS	T	Х		Х	1		Χ
Review Template		^		^			^
Provincial							
		V		V	\ \ \		V
Convene Post IRS Meetings		Х		Х	Х		Χ
District		V		\ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		V
Participate in the Post IRS		X		Х	Х		Χ
review Meeting		V		\ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Prepare the post IRS		X		Х	Х		Χ
Reports							
Task 14: Incidents	Number of incidents		١.,				.,
Reporting in IRS	reported and attended		X				X
operations (All incidents	to/Incident reports; Incident						
recorded and attended to)	register						
Activities							
National							
Develop guidelines for		X			Χ		
Incident Management							
Develop the incident		X			Χ		
reporting Tools (Registers							
and Forms)							
Provincial							
Support District emergency				Χ			Χ
Response Teams							
District							
Filling in of the incident				Χ			Χ
Register and/or form							
Procure First Aid Box and		Χ			Χ		
Spill Kits							
Formation of an emergency		X			Χ		
Response Team							
Health Facility							
Report the Incidents				Х			Χ
Prepare and replenish the			Х			Χ	
emergency trolley							
Filling in of the incident				Х			Χ
Register				\ \ \			,,
Community							
Report the Incidents				Х			Χ
Task 15: IRS Needs	Number of districts that have						
Assessment conducted	conducted and submitted	х			Х		
in 11 districts	needs assessment/ Needs	^					
iii i i districts	assessment reports						
Activities	ussessment reports						
National							
Share the needs		Х			Х		
assessment tools		^					
Aggregation of the data		Х			Х		
from needs assessment		^			^		
Provincial				<u> </u>			
		, 			V		
Share the needs		X			Χ		
assessment tools		<u>, </u>		<u> </u>	\ \ \		
Aggregation of the data		X			Х		
from needs assessment							
District							

Conduct realistic needs		Χ		Χ		
assessment						
Health Facility						
Aggregation of enumerated structures		Х		Χ		
Community						
Enumerate the sprayable structures		Х		Χ		

4.3.2.2 Strategic Action: Improve ITNs Ownership and Use

Strategic Action Objective: To achieve universal coverage (100%) of all household and at least 80% utilization in targeted areas.

Key Findings from the 2019 Programmatic Mid Term Review

- 1. Sustain achievements in vector control and accelerate towards target.
- 2. Use head count population to estimate LLIN need for mass campaigns.
- 3. Use door to door distribution of LLINs during mass campaigns.
- 4. Stock outs of EPI and ANC LLINs.
- 5. LLINs for routine (ANC and EPI) distribution not delivered to the last mile.
- 6. Wide spread resistance to conventional nets.

Recommended Best Practices

- 1. Timely Procurement and delivery LLINs mass campaign, ANC, EPI and schools countrywide.
- 2. Secure adequate storage.
- 3. Revision and dissemination of ITN distribution guidelines, policies and strategies
- 4. Use of multiple distribution channels such as Mass, ANC, EPI and Schools.
- 5. Scaling up of LLIN school distribution channel to the rest of the country.
- 6. Involvement of key stakeholders during planning for LLINs distribution.
- 7. Delivery of routine (ANC and EPI) distribution LLINs up to the last mile.
- 8. Timely distribution of the LLINs to the beneficiaries.
- 9. Establish a logistics system for EPI and ANC LLINs
- 10. Use of new innovations to counteract resistance (e.g. PBO)

Table 5: Vector Control: LLINs

			TIMEFR	AME						
				20	20			202	1	
	INDICATOR/ MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1: Timely procurement and delivery of LLINs for mass campaign,			7,000,45 7 ITNs procure d		7,000,457 ITNs delivered					

			TIMEFR	AME						
					020			202	<u>?</u> 1	
	INDICATOR/ MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
EPI, ANC and										
schools	Diametels and							1		<u> </u>
Timely Procurement and Delivery of LLINs for mass campaign.	Dispatch and Delivery notes.									
Timely Procurement and Delivery of 1,948,203 LLINs for EPI, ANC.	Dispatch and Delivery notes.		1,948,20 3 ITNS					2,003, 546 ITNs		
Timely Procurement and Delivery 500,000 LLINs for schools distribution.	Dispatch and Delivery notes.						500,000 ITNs			
Activities										
Forecasting and quantification of LLINs for ANC/EPI and schools.	Forecasting and quantification report.		X							
Review the technical and programmatic standard specification	Minutes.		X							
Submission of the LLIN standard specification	Memorandum/letter.		X							
Delivery of LLINs up the last mile for ANC/EPI and schools.	Delivery notes.		X							
Task 2: Secure adequate storage.	Number of storage facilities available/physical checks or Reports.									
Activities. NATIONAL										

			TIMEF	RAME						
				2	020			20	21	
	INDICATOR/ MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Review			Х							
assessment										
checklist and										
guidelines for										
storage										
PROVINCIAL										
Conduct			Х							
assessment										
and										
identification										
of storage										
capacity									1	
based on									1	
guidelines.					<u> </u>					
DISTRICT										
Conduct			Х							
assessment					1					
and										
identification										
of storage										
capacity										
based on										
guidelines										
HEALTH		•	•			•	•		•	
FACILITY.										
Conduct			Х							
assessment										
and										
identification										
of storage										
capacity										
based on										
guidelines.										
COMMUNITY			•	•		•				
Conduct			Х							
assessment									1	
and									1	
identification					1					
of storage									1	
capacity					1					
based on			1						1	
guidelines.									1	
					1					
Task 3:	Number of ITN		х							
Revision and	distribution		1						1	
disseminatio	guidelines								1	
n of 2,500	distributed/		1						1	
copies of ITN	Reports/checklist								1	
distribution					1					
guidelines,										

			TIMEF	RAME						
				2	020			20	21	
	INDICATOR/ MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
policies and strategies										
Activities				1		ı	1		1	.1
NATIONAL										
Hold meetings			Х							
to review										
LLINs										
distribution										
guidelines,										
policies and										
strategies.										
Dissemination			Х							
of LLINs										
distribution										
guidelines,										
policies and										
strategies to										
the provinces.										
PROVINCIAL										
Dissemination			X							
of LLINs										
distribution										
guidelines,										
policies and										
strategies to										
the districts.										<u> </u>
Dissemination			Х				1			
of LLINs			^							
distribution										
guidelines,										
policies and										
strategies to										
the health										
facilities.										
Implementatio			Х							
n of the LLIN										
distribution										
guidelines,										
policies and										
strategies										<u> </u>
HEALTH										
FACILITY. Dissemination		1	Х	1		1	1			т—
of LLINs			^							
distribution										
guidelines,										
policies and										
strategies to										
the										
uio	l	l					1			

			TIMEF	RAME						
					2020			202	21	
	INDICATOR/ MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
community health structures.										
Implementatio n of LLIN distribution.			X	X	Х	X	X	Х	X	Х
Task 4: Planning for mass distribution campaign in 116 districts			X							
Activities										
Formation of the planning committee (taskforce).	Minutes.		X							
Formation of sub-committees	Minutes.		Х							
Development of TORs for the sub committees.	TORs		Х							
Hold campaign planning meetings	Minutes.		X	X	Х					
Conduct provincial training of trainers. (TOT)	Training report.				X					
Supervise district TOTs PROVINCIAL	Reports.				Х					
Conduct stakeholders (P-MATF) meeting.	Minutes.		X	X	X	X	X	X	X	X
Conduct district TOT					Х					
Supervise district and health facility trainings					X					
DISTRICT.		I	ı	1	L		1	1	1	

Conduct Plamicro planning. Conduct stakeholders (D-MATF) meeting.	DICATOR/ EANS OF ERIFICATION an.	BASELINE	Q1		Q3	Q4	Q1	202 Q2	Q3	Q4
Conduct planning. Conduct stakeholders (D-MATF) meeting. Conduct health facility orientation meetings	EANS OF ERIFICATION an.	BASELINE		x	Q3	Q4	Q1	Q2	Q3	Q4
micro planning. Conduct stakeholders (D-MATF) meeting. Conduct health facility orientation meetings			X							
Conduct stakeholders (D-MATF) meeting. Conduct health facility orientation meetings	nutes/reports.		X	Y		1				
stakeholders (D-MATF) meeting. Conduct health facility orientation meetings	nutes/reports.		X	l X	1		1		 	
Conduct Mi health facility orientation meetings	nutes/reports.	<u> </u>			X	X	X	X	X	X
TEALIT					X					
FACILITY.										
	nutes/reports.				X					
mobilization (SBCC)	eports.		Х	Х	Х	Х	Х	Х	Х	X
Needs Re assessment/h rer ousehold registration.	eports/ HH register.			X						
Timely distribution of the LLINs to all Dis	umber of stricts idertaking LLINs stribution/LLIN stribution		116 d	istricts						
Activities.			I							
NATIONAL.										
	eports.				X					
Report writing Re	eport.					Х				
Dissemination Ac of campaign dis	tual ssemination.		Х	Х	Х	Х	Х	Х	Х	Х
report PROVINCIAL										

			TIMEF	RAME						
					020			20	21	
	INDICATOR/ MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Conduct Monitoring and supervision of LLINs distribution to the beneficiaries	Reports.				X					
Submission of distribution data to national level DISTRICT.	Report.				X					
Conduct Monitoring and supervision of LLINs distribution to the beneficiaries	Report.		X	X	X	X	X	X	X	X
Collation, validation and aggregation of distribution data	Records/reports.		X	Х	X	X	X	X	X	X
Submission of distribution data to the province HEALTH			X	Х	Х	Х	X	X	X	X
FACILITY. Conduct Monitoring and supervision of LLINs distribution to the beneficiaries			X	X	X	X	X	X	X	X
Collation, validation and aggregation of distribution data			X	X	X	X	X	X	X	X
Submission of distribution data to district level			X	X	X	X	X	X	X	X

			TIMEFR	RAME						
				20	020			202	<u>!</u> 1	
	INDICATOR/ MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
COMMUNITY										
Conduct distribution of LLINs to the beneficiaries. Conduct					X					
supervision of distribution of LLINs to the beneficiaries.										
Submission of distribution data to health facilities					X					

4.3.2.3 Strategic Action: Strengthen entomological surveillance

Strategic Action Objective: To conduct high level entomological surveillance to generate data that can be used in vector control decision making and insecticide resistance mitigation

Key Findings from the 2019 Programmatic Mid Term Review

- Evidence of insecticide resistance
- Non implementation of the insecticide resistance monitoring and management plan (IRMMP)
- Inadequate personnel trained in entomological surveillance
- Availability of research institutions
- Inadequate operational sites for entomological surveillance

Additional key findings

- Entomological data management and reporting
- Quality assurance of vector control interventions
- Lack procurement flow chart for Entomology Logistics

Recommended Best Practices

- Increase the number of functional sentinel sites for entomological monitoring
- Conduct regular entomologic surveillance at established sentinel sites
- Implement and monitor the implementation of the insecticide resistance monitoring and management plan (IRMMP)
- Provide capacity and logistics to province and districts to implement entomological monitoring activities
- Strengthen entomological data management and reporting

Table 6: Vector Control: Entomological surveillance

						TIME	FRAME			
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1: Increase the number of sentinel sites for entomological monitoring from 22 to 39	Number of sentinel sites actively conducting surveillance/through monthly entomological surveillance reports	22	5	4	4	4				
Activities										
National										
Consult PHOs to identify			Χ							1
new sentinel sites										
Activate dormant sentinel sites: Southern-2, Central- 1, Lusaka-2, Western -2, Northwestern -3, Copperbelt—1, Northern - 1, Muchinga -1			X							
Establish Provincial transit			Х	Х	Х	Х				†
Insectary										
Provincial										
Identify new sentinel sites at the district level			Х							
Identification of space for the establishment of			Х							
transit insectary				1				1	1	-
District			Х	1					1	
Participate in the establishment of the new sentinel sites in the respective Districts			^							
Health Facility										
Participate in the establishment of the sentinel site in the HFCA			X							
Task 2: Conduct regular entomological surveillance at the 39 sentinel sites	Number of entomological surveillance done in Sentinel sites/Entomological surveillance Reports	22	27	31	35	39				
Activities								1	1	<u> </u>
National			1,7							₩
Draw up a calendar for entomological surveillance, sample transfer and data reporting for all sentinel sites			X							
Facilitate conducting of entomological surveillance at all sentinel sites			Х							

						TIME	FRAME			
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Supervision of the			Χ	Х	Χ	Х				
entomological surveillance										
activities to done on a										
quarterly basis										
Collect samples from the			Χ	Χ	Χ	Х				
provinces every quarter										
during support supervision										
Send samples to relevant			Χ	Х	Х	Х				
reference labs for										
advanced laboratory										
analysis of samples										
received from the sentinel										
sites										
Provincial										
Supervision and			Χ	Х	Х	Χ				
monitoring of the										
entomological surveillance										
activities in the districts										
Preserve and store			Χ	Х	Χ	Х				
identified mosquito										
samples for further										
laboratory analysis										<u> </u>
District			.,	1,7	1,,					
Plan and implement			Χ	Х	Х	Х				
entomological surveillance										
activities by HLC, Light										
traps or PSC					- V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
Identify collected			Χ	Х	Х	Х				
mosquitoes and perform										
parity dissections			Х	Х	X	Х				-
Transfer preserved			^	^	^	^				
samples to the national										
laboratory for advanced laboratory analysis										
Data management and			Х	Х	X	Х				+
reporting			^	^	^	^				
Health Facility										
Conduct entomological			Χ	X	X	Х				
surveillance activities by										
HLC, Light Traps or PSC										
Task 3: Conduct annual	Number of annual	1								1
evaluations of	evaluations of					1				
insecticide resistance at	insecticide									
all sentinel sites to	resistance									
support evidence based	conducted at all									
decision making	sentinel sites to									
	support evidence									
	based decision									
	making/Reports				1					
Activities						1				<u> </u>
National										

						TIME	FRAME			
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Prioritize the insecticides			Х							
to be monitored and										
communicate to										
stakeholders										
Conduct insecticide			Χ			Х				
susceptibility tests										
(discriminating, intensity										
and synergist assays)										
twice a year, 1st and 4th										
quarters										
Provincial										
Supervise and monitor			Х	Х	Х					
mosquito field collections										
for insecticide resistance										
testing										
District										
Identify one district officer			Х							
to supervise the collection			^							
and transportation of live										
mosquito samples										
Facilitate in Identifying			Х	Х	Х	X				
			^	^	^	^				
four community members										
to participate in mosquito										
collections for IR testing			V	1	1	- V				
Conduct field collections			Х	Х	Х	Х				
of live larvae or blood fed										
adult mosquitoes			.,	1,,	1,,	1,,	1,,	ļ.,	1,,	.,
Transfer the collected			Х	Х	Х	Х	Х	X	Х	Х
mosquitoes to the national										
laboratory for insecticide										
resistance testing										
Health Facility										
Carry out field collections			Χ	Х	Х	Х	Χ	Χ	X	Χ
of live mosquitoes for										
insecticide resistance										
testing										
Identify four community			Χ				Χ			
members to participate in										
mosquito collections for IR										
testing										
Task 4: Implement the	Implementation of		Χ	Х	Х	Х	Χ	Χ	Х	Х
insecticide resistance	the insecticide									
monitoring and	resistance									
management plan	monitoring and									
	management plan									
	done according to									
	guidelines/Reports									
National										
Review the IRMMP every			Χ							
two years										

						TIME	FRAME			
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Disseminate reviewed IRMMP to provinces and national stakeholders			Х				Х			
Monitor utilization of the IRPPM			Х	Х	Х	Х	Х	Х	Х	Х
Data management and reporting Provincial			Х	X	Х	X	X	X	X	Х
Disseminate IRMMP to districts and stakeholders			Х							
Monitor utilization of the IRMMP			Х	Х	Х	Х	Х	Х	Х	Х
Data management and reporting District			Х	Х	Х	Х	Х	Х	Х	Х
Implement and monitor utilization of the IRMMP			Х	Х	Х	Х	Х	Х	Х	Х
Implement Data management and reporting			Х	X	Х	X	X	Х	Х	X
Health Facility Implementation and monitoring			Х	X	X	X	X	X	X	X
Task 5: Capacity building and logistical support for entomological surveillance	Number of National, Provincial, District and Community staff capacity built and logistical support given in entomological surveillance/ Training reports		X				X			
National										
Training of national province and district officers for entomological monitoring			X				X			
Provision of equipment, supplies and consumables for entomological surveillance activities			Х	X	Х	Х	X	Х	Х	Х
Development of procurement flow chart for entomological surveillance equipment, supplies and consumables for each sentinel site			Х				Х			
Provincial Identify provincial and district officers to be trained District			Х				X			

						TIME	FRAME			
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Identify space for storage			Χ				Χ			
of entomological										
surveillance commodities										
Identify bench space for			Χ				Х			
mosquito handling and										
identification by use of										
dissecting microscope										
Training of community						Х				Χ
level volunteers for										
entomological monitoring										
activities										
Remuneration of			Χ	Х	Х	Х	Х	Χ	Χ	Χ
community members										
conducting vector										
surveillance										
Health Facility										
Identify community					Х				Χ	
volunteers for training in										
entomological monitoring										
activities										
Identify space for storage						Х				Χ
of entomological										
surveillance commodities										
Identify bench space for						Х				Χ
mosquito handling and										
identification by use of										
dissecting microscope										
Task 6: Strengthen	Quality assurance		Χ	Х	Х	Х	Х	Х	Χ	Χ
quality assurance and	and control plan in									
quality control for	place/Availability of									
entomology	the plan									
National										
Develop a quality			Χ							
assurance plan for										
entomological monitoring										
Provincial										
Identify two officers to			Χ						1	
participate in the			^							
development of the quality										
assurance plan										
Supervise and monitor all			Χ	Х	Х	Х	Х	Х	Х	Х
quality assurance				^`	^`		^	^	^`	^`
activities										
District		†				1	1	1		
Identify one officer to			Х				Х			+
participate in the										
development of the quality										
assurance plan										
SCOULDING PIULI	İ.	ļ	1	1	1	1	1	1		+
			Χ	Χ	Χ	Χ	Χ	X	X	l X
Implement quality assurance activities			Χ	Х	Х	Х	Х	Х	Х	Х

						TIME	FRAME	<u> </u>		
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Implement quality			Х	Χ	Χ	Х	Χ	Χ	Х	Х
assurance activities										
Task 7: Strengthen	Entomological data		Χ	Х	Х	Х	Χ	Χ	Х	Х
entomological data	management and									
management and	reporting									
reporting	strengthened									
	through guideline									
	compliance/Reports, Surveillance									
National	Registers									
Develop a guide for best			Х							
practices in entomological			^							
data management and										
reporting										
Generate			Х	X	Х	Х	Х	Х	Х	Х
recommendations for										
changes in vector										
interventions on the										
implementation										
Convene TAC/IRMMP			Χ				Χ			
annual TWGs for IRM										
decision making										
Provide routine			Х				Χ			
entomological report to be										
shared with provinces Provincial										
Participate in TAC			Х				Х			
meetings			^				^			
Share routine			Х	Х	Х	Х	Х	Х	Х	Х
entomological reports with			^	^	^	^		^	^	^
districts										
District										
Implement best practices			Χ	Х	Х	Χ	Χ	Х	Х	Х
for entomological data										
handling and reporting										
Health Facility						ļ.,				
Implement best practices			Х	Х	Х	Х	Χ	Χ	Х	Х
for entomological data										
handling and reporting Task 8: Establish	Number of	0	Х		X		X		X	
provincial level	provincial level	0	^		^		^		^	
insecticide resistance	insecticide									
testing sites	resistance testing									
	sites									
	established/Reports									
National										
Identify one sentinel			Х							
district to serve as the										
insecticide susceptibility										
testing site for each										
province										

			TIMEFRAME							
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Inspect the district to			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
ensure suitability										
Training of two district					Χ					
officers per province in										
insecticide resistance										
testing										
Provide logistics and			Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ
supplies for insecticide										
susceptibility testing										
Provincial										
Assist with the			Χ							
identification of the district										
to serve as the insecticide										
resistance testing site										
Identify two district staff to			Χ							
be trained in IR testing										
Assist with the			Χ							
establishment and										
maintenance of insecticide										
susceptibility test site in										
the district								-		
District				.,						
Assist with the				Χ						
establishment and										
maintenance of insecticide										
susceptibility test site in										
the district										
Health Facility				V						1
Assist with the				Х						
establishment of										
insecticide susceptibility										
test site								1		

4.3.2.4 Strategic Action: Strengthen Larval Source Management

Strategic Action Objectives

- To provide the dual benefit of reducing the numbers of both indoor and outdoor biting mosquitoes.
- To contribute to reduction in malaria hot spot.
- To contribute to the prevention of the emergence of insecticide resistance.

Key Findings from the 2019 Programmatic Mid Term Review

- Development and distribution of LSM Guidelines were done
- Development of LSM training Manual were done but not distributed.
- Integration of LSM into the Harmonized ICCM Training Manual was done
- Implementation of LSM by some Institution e.g. some Local Authorities, Mining Companies and Zambia Sugar in their localities.

• Funding for LSM being a challenge as it is considered to be one of the Enhanced vector control intervention (additional interventions /co vector control intervention)

Other Findings During the NMOP Meeting

- Larviciding being the only activity considered and reported under LSM, and yet there are a lot which is being done but not reported
- Funding for LSM being a challenge as it is considered to be one of the Enhanced vector control intervention (additional interventions /co vector control intervention to IRS and LLINs).
- Larval source management although being part of the integrated vector management strategy
 of the National Malaria Elimination Programme (NMEP), is not widely implemented in vector control, as
 attention and resources have been primarily invested in the IRS and ITN strategies.
- Lack of larval control has attributed to the hard-to-reach breeding sites in the rainy season, and difficulties in implementing this intervention in the rural areas.
- With the emergence of insecticide resistance in the country, larval control by environmental management and larviciding could provide alternative vector control.

Recommended Best Practices

- Collection of baseline data (Identification of breeding sites)
- Mapping of breeding sites in selected Districts with few, fixable and findable sites.
- Categorizing of breeding sites (permanent and non-permanent).
- Identify & implement suitable interventions in selected catchment areas (modification, manipulation, larviciding & biological)
- Incorporating LSM into other existing programs (keep Zambia clean, WASH in public places)
- conduct operation surveys and share reports with partners/ sponsors for Districts implementing LSM
- Quantification and costing of all required resources.
- Monitoring and Evaluation at all levels.

Where LSM should take place?

Larval source management activities were not recorded as being implemented if any. There were verbal reports that the Programme was being implemented with support from Companies. According to guidelines for malaria vector control (WHO, 2018), LSM is termed as an enhancer to other vector Control strategies such as Indoor Residual Spraying (IRS) and Long lasting Insecticide Nets (LLINs). It also stated that the programme can best be implemented in urban settings and more effectively at community level

LSM: Management of aquatic habitats (water bodies) that are potential habitats for mosquito larvae in order to prevent completion of development of the immature stages.

Note: The four types of larval source management are:

- i) Habitat modification, which is a permanent alteration of the environment, e.g. land reclamation;
- ii) Habitat manipulation, which is a recurrent activity, e.g. flushing of streams;

- iii) Larviciding, which is the regular application of biological or chemical insecticides to water bodies;
- iv) Biological control, which consists of the introduction of natural predators into water bodies.

LSM will be implemented on pilot basis starting with one urban district per Province with community based interventional approach. National level will develop policy, training guidelines for LSM. Provincial and district Levels will assume the role of facility and community trainings according to guidelines from National level. Health Facility staff that include the Community Health Assistants (CHAs) and Environmental Health Technologists (EHTs) in partnership with Local Government Structures and other stakeholders will coordinate the Implementation of the Programme at community level.

Table 7: Vector Control: Larval Source Management

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1:	# of breeding sites	0	5000				6000			
Collection of	identified/Report									
baseline data										
(Identification of										
breeding sites)										
Activities										
National										
Development of			Х				Х			
data collection										
tools										
Conduct TOTs			Х				Х			
Provincial										
Conduct Cascade				Х				Х		
Trainings to										
Districts and										
Health Facilities										
Distribution of				Х				Х		
Data collection										
tools to Districts										
District										
Conduct Cascade				Х				Х		
Trainings to										
Health Facilities										
and NHCs										
Distribution of				Х				Х		
Data collection										
tools to Facilities										
Health Facility										
Distribution of				Х				Х		
Data collection										
tools to NHCs										
Community										
Identification of								Х		
breeding sites										
Collection of										
data										
Task 2: Mapping	# of breeding sites	0	5000				6000			
of breeding sites	mapped /Map, field									
(few, fixed &	visits									
findable)										
Activities										

			TIMEF	RAME						
	INDICATOR/MEANS	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	OF VERIFICATION									
National										
Source for			Х				Х			
equipment and										
tools to use for										
Mapping of										
breeding sites										
Conduct TOTs	Number			Х			Х			
	trained/Training									
	report									
Provincial										
Conduct Cascade	Number of staff			Х			Х			
trainings to district	trained/Training									
and Health	report									
Facility staff				1						
District										
Conduct Cascade	Number of staff			Х			X			
trainings to Health	trained/Training			1						
Facility staff and	Report			1						
NHCs										
Health Facility										
Mapping of	Mapping report			Х			Х			
breeding sites	available									
together with the										
NHCs.										
Task 3:	Number of Breeding	0	5000				6000			
Categorizing of	Sites Categorized/									
breeding sites	reports on									
(permanent and	categorized									
non-permanent).	breeding sites									
Activities										
National										
Develop			Х				Х			
guidelines on										
categorization										
Provincial										
Disseminate				Х			Х			
guidelines on										
categorization										
District										
Hold Meetings				Х			X			
with Health										
Facilities and				1						
Zonal NHCs to				1						
categorize the										
sites.			ļ		-					
Health Facility				1				1		
Identify and				Х			Х			
categories the										
breeding sites				1						
with the NHCs										
Task 4: Identify	Number of Suitable	_	l <u>.</u>							
suitable	Interventions	0	4				4			

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
interventions to	Identified / Reports									
be applied	on Interventions									
(Modification,	Identified									
Manipulation,										
Larviciding, and										
Biological										
Control)										
Activities										
National										
Develop				Х				Х		
intervention										
prioritization										
Matrix for suitable										
interventions.										
				1			-	+	-	
Provincial				V				V	-	
Adopt and				Χ				Х		
disseminate the				1						
Matrix to lower				1						
levels				1						
District				1						
Monitor the					Χ	Χ			Χ	Х
Operationalization										
of the matrix on										
interventions										
Health Facility										
Operationalize					Х	Χ			Χ	Χ
the matrix on										
interventions										
Community										
Implement the					Х	Χ			Χ	Х
interventions										
accordingly										
Task 5: Conduct	Number of									
Operation	Operational Surveys									
Surveys on LSM					10				10	
and share	and Reports shared/	0			10				10	
reports with	Research Reports									
partners/	Research Reports									
sponsors										
Activities				+				+	 	
National				+			+		 	
Identify the		0		+	X		+		Χ	
Provinces and				1	^				^	
				1						
give support Provincial			-	+			+		-	
			-	+	V			+	V	
Identify the		0		1	Х				Χ	
Districts and give				1						
support				1			1			
District				1						
Conduct the		0		1	Х				Χ	
Operational				1						
Research										

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Health Facility										
Participate in the Operational Research		0								
Community										
Participate in the Operational Research		0			Х				Х	
Task 6: Incorporating LSM into other Existing Health Programs Expected (Keep Zambia Health Campaigns, WASH & another to be identified)	Number of existing Programs into which LSM Activities have been incorporated/ Existing Reports.	0	3				3			
				-	-					
Activities National				1			1	+		
Review the		0	Χ	-			X			
existing programs and incorporate aspects of LSM		U	^				^			
Provincial										
Adopt and disseminate the reviewed guidelines on LSM			X				X			
District										
Adopt and implement the reviewed guidelines					X	Х			Х	Х
Health Facility				V	V	V	1	V	V	
implement the reviewed guidelines with the community				X	X	X		X	X	
Community				1			1	1		
Implement the interventions accordingly				X	Х	Х		Х	Х	
Task 7: Quantification and costing of all required resources.	Proportion of resources allocated for LSM/ Budget Lines for LSM Activities	0	1				1			
Activities							1	1		
National										

			TIME	FRAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Conduct Needs Assessment on required Resources		0	Х				Х			
Lobby for Resources to implement LSM			Х	X	Х	Х	Х	Х	Х	X
Provincial Conduct Needs Assessment on required Resources			X				X			
Lobby for Resources to implement LSM			Х	X	Х	Х	X	X	Х	X
Coordinate the budging process District			Х				Х			
Consolidate the District resource requirement			Х				X			
Lobby for Resources to implement LSM			Х	X	Х	Х	Х	Х	X	X
Coordinate the budging process Health Facility			Х				X			
Identify resources required to implement the activities			Х				Х			
Community Identify resources										
and tools required Mobilize for the tools required to conduct the interventions accordingly.			X	X	X	X	X	X	X	X
Task 8: Monitoring and Evaluation of LSM Activities at all levels	No of Monitoring and Evaluation Activities conducted at all levels/ M and E Reports	0	1	1	1	1	1	1	1	1
Activities National Develop LSM indicators			X							

			TIME	FRAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Include the LSM Indicators in the NMEP.			Х							
Develop LSM Reporting Tools			Х							
Provincial Disseminate the LSM Performance Indicators and reporting Tools. Conduct LSM Performance				X		X				
Review Meetings District										
Implement LSM Activities.				Х	Х	Х		Х	Х	Х
Monitor and Supervise the LSM Out Put Indicators				X	X	X		X	X	X
Health Facility										
Implement LSM activities with the communities				Х	Х	Х		Х	Х	X
Supervise the implementation of the LSM Activities				Х	Х	Х		Х	Х	Х
Community										
Implement LSM activities with the community members				X	X	X		X	X	X
mobilized										

4.3.3 Service Delivery Area: Social and Behaviour Change Communication

Service Delivery Area Objectives:

- 1. To increase knowledge of malaria from the 2015 baseline to 100% by 2021.
- 2. To improve uptake and correct use of key malaria interventions from the 2015 baseline to 90 percent by 2021.

4.3.3.1 Strategic Action: Strengthen the capacity to implement social behavioral change communication

Strategic Action Objective:

- 1. To increase knowledge of malaria from the 2015 baseline to 100% by 2021.
- 2. To improve uptake and correct use of key malaria interventions from the 2015 baseline to 90 percent by 2021.

Table 8: SBCC Key Findings from the Programmatic MTR

Indicator	2015 (MIS) Baseline	2018 MIS
Percentage who have heard of malaria	99	90
Percentage who recognize fever as malaria	77	71
Percentage who reported mosquito bites as a cause of malaria	85	82
Percentage who reported a mosquito net treated or untreated as a preventive method	91	86
Percentage who sought treatment from a facility provider same day or next day	31	20
Percentage of children under five who slept under an ITN	56	69
Percentage of pregnant women who slept under an ITN	58	71
Percentage of household member reported to have slept under an ITN the previous night.	53	64

NB: Progress on SBCC indicators

- Use of ITNs among children under five, pregnant women and household members increased
- However, the programme recorded a decline on indicators related to prompt care seeking behaviour.

Recommended Best Practices

- 1. Community engagement and partnership development
- 2. Support Civil Society Organizations (CSOs) to reach under-served populations
- 3. Engage religious leaders, traditional leaders and traditional doctors
- 4. Review and update SBCC Materials with Provincial & District participation
- 5. Evidenced-based selection of host districts for malaria events
- 6. Recognize Volunteers (CHWs, Community Mobilizers etc.) during Malaria Events
- 7. Exhibit at national, provincial, district, HF and community events
- 8. Engage Managers and Editors of media organizations (National, Provincial & District)
- 9. Advocacy meetings

Table 9: Social and Behvaiour Change Communication

			TIME	FRAN	ΙE					
	INDICATOR/MEANS OF	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	VERIFICATION (MoV)									
TASK 1: Advocacy	Number of planned advocacy meetings									
	Number of institutions/Individuals									

			TIME	FRAN	ΛE					
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	planned to be reached& number reached MoV: Minutes and meeting reports with attendance list									
Activities										
National										
Engage current and non- traditional partners	Number of current and non-traditional partners planned to engage and meet Number of engagement meetings planned and held MoV: Engagement reports		X	X	X	X	X	X	X	X
Meetings with Members of Parliament	Number of meetings planned and held Number of parliamentarians targeted and reached MoV: Meeting minutes and Attendance list		х		х		х		х	
Orientation meetings with religious mother bodies/organizations	Number of orientation meetings planned and held Number of religious mother bodies/organizations targeted and reached MoV: Orientation reports		х				х			
Provincial										
Orientation meetings with local MPs	 Number of orientation meetings planned& number held Number of MPS planned to be reached & number reached MoV: Orientation reports 		X				X			
District	,									
Engage DHO senior management	Number of engagement meetings planned with senior management &number held Number of manager planned to be engaged& number engaged MoV: Engagement reports		х				х			

			TIME	FRAN	1E					
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Engage E-MATFs	Number of engagement meetings planned and engagement meetings held MoV: E-MATF Engagement reports and minutes		x	х	х	х	х	х	Х	х
Hold meetings with Councilors Health Facility	Number of meetings planned to be held & number held Number of counselors planned to ne reached & counselors reached MoV Meetings minutes		X				X			
Hold orientation	Number of		Х				Х			
meetings for Area Development Committees (ADCs)	orientation meetings planned with ADCs & Meetings held. MoV: Area Development Committees (ADCs)/Meeting reports/Minutes		^				^			
Community										
Participate in orientation meetings for Area Development Committees (ADCs)	Number of orientation meetings planned to be held with Area Development Committees (ADCs) & number held MoV: Meeting reports/Minutes		x				X			
TASK 2: Develop context specific messages and materials for all intervention areas for use at all levels	Number of SBCC context specific messages planned to be developed and materials & number developed.									
	MoV: Availability of SBCC messages and materials/ Distribution and delivery reports									
Activities										<u> </u>
National Hold meeting to review	A Number of mostings			Х			Х			
and update existing materials and messages for all interventions	 Number of meetings planned to review and update the existing SBCC 			^			^			

			TIME	FRAN	1E					
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	materials and messages & number held Number of materials planned to be reviewed and updated& number reviewed and updated MoV: Minutes, attendance list and number of materials reviewed and updated									
Pretest developed messages and materials	Number of SBCC material planned to be Pretested & number pretested MoV: Availability of pretested materials for SBCC and reports			X	X		X			
Finalize developed messages and materials	Number of Finalized SBCC messages and materials planned to be developed & number developed MoV: Finalized SBCC messages and materials				х		х			
Print materials	Number SBCC materials planned to be Printed and number printed MoV SBCC printed materials				Х		Х			
Disseminate messages through electronic and print media	Number SBCC messages planned to be disseminated messages through electronic and print media and number disseminated MoV: SBCC printed material disseminated and aired on local radio and TV				X	X	X	X		
Provincial										
Participate in review and updating of SBCC materials	Number of SBCC meetings planned to participate to review and update materials& number invited to attend. MoV: invitation notices and meeting reports.			X			X			

	TIMEFRAME											
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Distribute the printed materials	Number of SBCC printed materials planned to be distributed& number distributed. MoV: distribution list (GRNs & delivery notes)				х			х				
Disseminate messages through electronic and print media	Number of electronic and print media messaged planned to be disseminated and number disseminate electronic and print media MoV number of electronic and print media aired and printed, Program log book		X	X	X	X	X	X	X	X		
District												
Participate in review and updating of SBCC materials	Number of SBCC meetings planned to participate to review and update materials& number invited to attend. MoV: Invitation notices and meeting reports.			X			X					
Distribute the printed materials to health facility level	Number of SBCC printed materials planned to be distributed & number distributed. MoV: Distribution list (GRNs & delivery notes)		Х	Х	Х	Х	Х	Х	Х	Х		
Disseminate messages through appropriate communication channels	Number of electronic and print media messaged planned to be disseminated and number disseminate electronic and print media MoV: Number of electronic and print media aired and printed, Program log book		X	х	х	X	X	X	X	X		
Health Facility												
Distribute the printed materials to community	Number of printed materials planned to be distributed and number distributed MoV: Distribution list GRN.				Х			X				

			TIME	FRAN	1E					
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Community	,									
Use developed SBCC materials for sensitization	Number of sensitization activities planned to be conducted using the received materials and number held.		х	х	X	х	X	х	х	x
	MoV: Reports and number of community members reached.									
Conduct door to door visits to sensitize households	Number of door to door visits planned to sensitize households and number conducted. MoV: Sensitization registers and reports		X	х	х	X	х	Х	Х	х
Hold community/village meetings	MoV: Minutes		Х	Х	Х	Х	Х	Х	Х	Х
Conduct drama performances	MoV: Reports		Х	Х	Х	Х	Х	Х	Х	Х
Use local musicians	MoV: Reports									
Task 3: Conduct malaria elimination communication campaigns	Number malaria elimination communication campaigns planned and number implemented MoV: Campaigns reports and minutes									
Activities										
National										
Develop malaria elimination communication campaign			Х							
Engage production house to produce campaign materials			Х							
Conduct design and development workshop			Х							
Pre-test messages and materials			Х	Х						
Finalize campaign materials				Х						
Print campaign materials				Х						
Launch malaria elimination campaign				Х						
Provincial]]			

	TIMEFRAME									
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Identify participants in	,		Х							
the development of										
malaria elimination										
communication										
campaign										
Launch malaria			Х							
elimination										
communication										
campaign										
District										
Participate in			Х							
development of the										
malaria elimination										
communication										
campaign										
Participate in pre-testing			Х							
of messages and										
materials										
Launch malaria				Х						
elimination										
communication										
campaign										
Implement				Х	Χ	Χ	Х	Х	Χ	Χ
communication										
campaign activities										
Monitor implementation				Х	Χ	Х	Х	Х	Х	Х
of campaign activities										
Health Facility										
Launch malaria				Х						
elimination										
communication										
campaign										
Implement campaign										
activities										
Community										
Launch malaria				Χ						
elimination										
communication										
campaign										
Implement campaign										
activities			ļ	ļ						
			ļ	ļ						
Task 4: Strengthen	Number of									
Community	Community									
Engagement and	Engagement and									
Partnership	Partnership									
Development	Development									
	strengthening									
	(OTSS) meeting									
	planned and number									
	conducted									

			TIME	FRAN	1E					
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	MoV: OTSS reports and minutes									
Activities										
National										
Stakeholder identification	MoV: Report		Х							
and mapping	·									
Conduct a workshop to	MoV: Meeting report and			Χ						
review and develop	Engagement Plan									
engagement plan.										
Disseminate	MoV: Dissemination meeting			Х						
engagement plans to	reports									
provinces and districts	·									
Monitoring and	MoV: Monitoring Report			Х	Х	Х	Х	Х	Χ	Χ
supervision of										
community engagement										
activities										
Provincial										
Stakeholder identification	MoV: Reports		Х							
and mapping										
Participate in revision	MoV: Reports			Χ						
and development of										
engagement plan										
Disseminate				Х						
engagement plans to										
districts and health										
facilities										
Monitoring and				Χ	Х	Χ	Χ	Х	Χ	Х
supervision of										
community engagement										
activities										
District										
Stakeholder identification			Х							
and mapping										
Participate in the				Х						
development of										
community engagement										
plan										
Disseminate				Х						
engagement plans to										
health facilities		1		,,	\ ,,	\ ,,	,,	\ ,,	.,	<u></u>
Implement community				Х	Х	Х	Х	Х	Х	Х
engagement plan		-		v			V		v	
Monitoring and supervision of				Х	Х	Х	Х	Х	Х	Х
community engagement										
activities										
Health Facility		+								
Stakeholder identification		+	Х							
and mapping			^							
Implement community		1		Х	Х	Х	Х	Х	Х	Х
engagement plan				^	^	^	^	^	^	^
Community					t	t		t		
- Community	1		1	1	<u> </u>	<u> </u>	1	<u> </u>	<u> </u>	<u> </u>

			TIME	FRAN						
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Village meetings			Х	Х	Χ	Х	Х	Χ	Х	Х
Community mobilization			Χ	Х	Х	Х	Χ	Χ	Х	Х
Information			Х	Х	Х	Χ	Χ	Х	Х	Х
dissemination										
TASK 5										
Task 5: Commemorate annual malaria events	Number of malaria commemoration annual malaria events planned & Number commemorated MoV availability of event									
A . (* **(*	reports									
Activities			<u> </u>	<u> </u>	<u> </u>	-	-	-	-	<u> </u>
National Commemorate World			1	\ ,,	-					
Malaria Day				Х						
Commemorate SADC malaria week						Х				Х
Participate in national health week				Х						
Participate in safe				Х				Х		
mother week				^				^		
Participate in child health				Х				Х		
week activities										
World environmental day				Х				Х		
Provincial										
Support Districts Commemorate World Malaria Day				Х				Х		
Support Districts Commemorate SADC						Х				Х
malaria week Participate in national				Х						
health week										
Participate in safe motherhood week				Х				Х		
Participate in child health week activities				Х				Х		
Support Districts commemorate World				х				х		
environmental day District			+							
Commemorate and				Х				Х		
support health facilities to commemorate World										
Malaria Day				ļ					<u> </u>	
Commemorate and support health facilities to Commemorate SADC						X				Х
malaria week										

			TIME	FRAN	1E					
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Participate in national	,			Х						
health week										
Participate in safe				Х				Х		
mother week										
Participate in child health				Х				Х		
week activities										
Commemorate and				Х				Х		
support health facilities										
to commemorate World										
environmental day										
Commemorate and				Х				Х		
support health facilities				^				^		
to commemorate World										
Malaria Day										
Health Facility Commemorate World		+		v				- V		-
				Х				Х		
Malaria Day					-					
Commemorate SADC						Х				Χ
malaria week										
Participate in national										
health week										
Participate in safe				Χ				Х		
motherhood week										
Participate in child health				Χ				Х		
week activities										
Participate in World				Χ				Х		
Environmental Day										
Community										
Village meetings				Х		Х		Х		Х
Meetings with pregnant				Х		Х		Х		Х
women during Safe										
Motherhood Week										
Drama performances				Х		Х		Х		Х
Roadshows				Х		Х		Х		Х
Task 6: Build capacity	Number of BCP capacity			^		^		^		^
in Behaviour Centred	building trainings/TSS									
Programming (BCP)	planned & number									
Frogramming (DCF)	conducted									
	Conducted									
	MoV: BCP capacity building									
	reports and minutes									
Activities	reports and minutes	+								-
National		1			 					1
			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							-
Review and update BCP training materials			Х							
Hold BCP training for				Χ	Х					
Provinces and districts			<u></u>					<u></u>	<u></u>	
Provincial										
Participate in review and			Х							
updating of BCP training										
materials										

	TIMEFRAME									
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Hold BCP training for District and health	()			Х	Х					
facilities										ļ
Training of stakeholders in BCP					Х	Х				
District										
Participate in review of BCP training materials			Х							
Hold BCP training for health facilities				Х	Х					
Training of stakeholders in SBCC					Х	х				
Health Facility										
Participate in training of CBVs, traditional and religious leaders in BCP					Х	Х				
Monitor and Mentor			х	Х	Х	х	Х	Х	Х	Х
CBVs in BCP activities			1			1				
Community Select CBVs to be			1	V		1				<u> </u>
trained with the guide of				Х						
health facilities.										
Task 7: Information	Number of									
dissemination	information dissemination activities planned and number implemented MoV: Activity reports									
Activities										
National										
Awarding of media personnel and station for promotion and dissemination of malaria messages						X				X
Conduct road shows			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Support airing of radio and TV programs			Х	Х	Х	х	Х	Х	Х	Х
Provincial										
Awarding of media personnel and station for						Х				Х
promotion and dissemination of malaria										
messages			1,.	,,	,,	1,,	1,.			ļ.,
Conduct road shows			Х	Х	Х	Х	Х	Х	Х	Х
District										
Training of drama groups			<u> </u>	Х		-				ļ.,
Awarding of media personnel and station for						Х				Х

_		TIME	EFRAN	1E					
INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
,									
		Х	Х	Х	Х	Х	Х	Х	Х
		Х	Х	Х	Х	Χ	Χ	Х	Х
		Х	Х	Х	Х	Х	Χ	Х	Х
		Х	Х	Х	Х	Х	Х	Х	Х
		Х	Х	Х	Х	Х	Х	Х	Х
		Х	Х	Х	Х	Х	Х	Х	Х
		Х	Х	Х	Х	Х	Х	Х	Х
				-					1
		x	х	х	x	х	х	x	Х
		+	1	1	-		1		X
		^	^	^	^			^	
Number of school based									
and implemented									
BA . M									
MoV reports									
		X							
		-		-		v	-		-
		^				Α			
	+	-	-	_	-	v	v	-	Х
		^	^	^	^	^	^	^	^
	+			 					
		x							
		^							
		x				x			
		^				^			
	+	У	У	у	У	У	у	У	Х
		^	^	_ ^	^	^	^	^	^
				i	i	1	1	1	
Number of CSOs									
Number of CSOs									
implementing community-									
	Number of school based malaria programs planned	Number of school based malaria programs planned and implemented	INDICATOR/MEANS OF VERIFICATION (MoV)	INDICATOR/MEANS OF VERIFICATION (MoV)	VERIFICATION (MoV) X	INDICATOR/MEANS OF VERIFICATION (MoV) BASELINE X X X X X X X X X X X X X X X X X X	INDICATOR/MEANS OF VERIFICATION (MoV)	Number of school based malaria programs planned and implemented MoV reports Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned and implemented Number of school based malaria programs planned an	Number of school based malaria programs planned and implemented November of school based malaria programs planned and implemented November of school based malaria programs planned and implemented November of school based malaria programs planned and implemented November of school based malaria programs planned and implemented November of school based malaria programs planned and implemented November of school based malaria programs planned and implemented November of school based malaria programs planned and implemented November of school based malaria programs planned November of school based malaria programs plan

			TIME	FRAN	1E					
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	Number of CSOs receiving grants to implement community based activities									
	MoV: Reports									
Activities										
National										
Conduct Assessment			Χ				Χ			
Develop funding and			Χ	Х						
reporting mechanism										
Support provinces and			Χ	Χ			Χ			
districts develop										
workplan for										
implementation by CSOs			1							
Provide guidance to				Х						
provinces on planning										
and implementation										
activities by CSOs										
Provincial Code districts and										
Guide districts and			Х				Х			
participate in the										
identification of CSOs Provide guidance to		+					· ·			
districts and health							Х			
facilities in planning and										
implementation activities										
by CSOs										
Monitor activities			Х	Х	х	Х	Х	Х	Х	Х
implemented by CSOs			~	,					^	
Participate in review of			Х	Х	Х	Х	Х	Х	Х	Х
CSOs activities in the										
districts										
District										
Identify CSOs			Х				Х			
Provide guide to health			Х	Х	Х	Х	Х	Х	Х	Χ
facilities and CSOs in the										
planning and										
implementation of										
malaria activities		1								<u> </u>
Monitor activities			Χ	Х	Х	Х	Χ	Χ	Х	Χ
implemented by CSOs		1	1		-	ļ			ļ	
Participate in review of			Х	Х	Х	Х	Х	Χ	Х	Χ
CSOs activities in the										
health facilities					-					
Health Facility			, , ,		-		,,			
Participate in the			Х				Х			
planning of malaria activities										
Work with CSOs in		+	-	v	v	-	v	v	Х	_
implementation of			X	Х	Х	Х	Х	Х	^	Х
malaria programs										
maiana programs			1	1	1	1	1	<u> </u>	<u> </u>	<u> </u>

			TIM	EFRAN	ΛE					
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Participate in review of CSOs activities on malaria	, ,		Х	х	Х	х	Х	Х	Х	х
Community										
Participate in			Х				Х			
identification of CSOs			^				^			
Provide guide to health facilities and CSOs in the planning and implementation of			х	Х	х	Х	х	х	х	х
malaria activities										
Monitor activities implemented by CSOs			Х	Х	Х	Х	Х	Х	Х	Х
Participate in review of CSOs activities in the health facilities			Х	X	Х	X	Х	Х	Х	Х
TASK 10: Monitor implementation of SBCC activities	Number of SBCC monitoring activities planned & number implemented MoV: Monitoring reports									
Activities	Mov. Monitoring reports									
National										
Develop SBCC monitoring tool			Х							
Disseminate SBCC monitoring tool to provinces			Х	Х						
Monitor provinces and districts on the implementation of SBCC activities			Х	X	Х	Х	Х	Х	Х	Х
Provincial										
Participate in the development of SBCC tool			Х							
Disseminate SBCC monitoring tool to districts			Х	X						
Monitor districts on the implementation of SBCC activities			Х	Х	Х	Х	Х	Х	Х	Х
District										
Participate in the development of SBCC tool.			Х							
Disseminate SBCC monitoring tool to health facilities			Х	Х						

			TIME	FRAN	1E					
	INDICATOR/MEANS OF VERIFICATION (MoV)	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Monitor health facilities on the implementation of SBCC activities			Х	Х	Х	Х	Х	Х	Х	Х
Health Facility										
Use of SBCC monitoring tool to guide implementation			Х	Х	Х	Х	Х	Х	Х	Х

4.3.4 Service Delivery Area: Surveillance, Monitoring, Evaluation and Operations Research Service Delivery Area Objectives:

- To strengthen the capacity to monitor and evaluate the performance of malaria programs and conduct evidenced based programming through research
- To provide timely and sound evidence to guide the implementation and policy making process for malaria control and elimination in Zambia.

4.3.4.1 Strategic Action: Strengthen the surveillance system at all levels

Strategic Action Objective: To provide timely and sound evidence to guide the implementation and policymaking process for malaria control and elimination in Zambia.

Key Findings from the 2019 Programmatic Mid Term Review

- Enhanced surveillance has been rolled out but not to scale.
- Population denominators are negatively affecting stratification which guides planning key interventions

Recommended Best Practices

- Tracking Malaria Elimination Progress
 - Routine analysis of malaria data reported in HMIS and National Malaria Elimination DHIS 2 instance by the Community Health Workers (CHWs) on a monthly basis
 - Weekly monitoring of malaria cases where MRR has been implemented.
 - Synchronization of the National Malaria Elimination DHIS2 instance with Tableau Visualization
 platform to envisage malaria data at HF and community in real time. This allows the NMEP to
 visualize the actual malaria burden for the HFCA.
- Malaria Stratification
 - The NMEP stratifies the HFs on a yearly basis to guide program planning and implementation
- Component D Refresher Training

• To keep strengthening active case detection at community level, the Unit conducts refresher trainings in component D every 2years.

Capacity Building

• In order to strengthen malaria surveillance at all levels, the Unit has been conducting capacity building training in data management in addition to supportive supervision and mentorship. On a yearly basis dhis2 refresher trainings are provided to the Districts. Formal and informal trainings in malaria data management are also provided coupled with use of the malaria scorecard.

Table 10: Surveillance

			TIME	FRAM	E					
			2020				2021			
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1: Collate all	Availability of complete,	0	Prog	rammai	tic and		Prog	ramma	tic and	.4
programmatic and	updated and validated		inter	ention/	data se	ets	inter	vention	data se	∍ts
intervention data	data sets in the		colla	ted into	one c	entral	colla	ted into	o one c	entral
sets (IRS. ITN,	DDMS/DDMS		repos	sitory			repo	sitory		
HMIS, MDA, Ento)										
into one central										
repository (DDMS)										
Activities										
National										
Updating of the	Monthly/Quarterly		Χ	Χ	Χ	Χ	Χ	X	Χ	Χ
data sets on a	reports									
monthly basis										
Roll out DDMS to				Х	X	Х				
subnational level										
Provincial										
Verify and validate				Χ	X	Χ	Χ	Χ	Х	Х
the reported data by										
the district										
Participate in roll				Χ	Х	Х				
out of DDMS										
District										<u> </u>
Verify and validate				Х	Х	Х	X	Χ	Х	Х
the reported data by										
the health facilities										
and input in the										
online platform				V	V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				+
Participate in roll				Х	Х	Х				
out of DDMS			1							+
Health Facility			1	V	V	V	V	V	V	
Data collection and				Х	Х	Х	Х	Х	Х	X
verification			-	V	V	V	-			+
Participate in roll				Х	Х	Х				
out of DDMS		2 marriages	14/4 -	lelse ma = 1	 		14/4 -	lelse see =	lawia	
Task 2: Malaria		2 provinces		kly mal		ut in		kly ma		
cases reported in		(NMEC DHIS2)	repo	rung ro	olled o	ut IN	repo	rung r	olled o	ut In

			TIMEFRAME									
			2020				2021					
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
real time and monitored in the remaining districts of Central,			the re	espect inces	ive	ı		espect inces	ive	•		
Copperbelt, Lusaka, North western, Eastern, Luapula, Northern												
and Muchinga												
Provinces												
Activities												
National												
Rolling out Weekly malaria reporting			Х	Χ	Χ	X						
Provide TSS for the			Χ	Χ	Χ	X						
rolling out of weekly			'	,	**	, ,						
malaria reporting												
Provincial												
Coordinate and			Χ	Χ	Х	Χ						
provide TSS in roll												
out of weekly												
malaria reporting												
District												
Health Facility												
Implement weekly			Х	Χ	X	X						
malaria reporting				,	^	, ,						
Task 3: Active	Number of malaria	(NMEC DHIS2)	Activ	e case	detec	tion	Activ	e case	detec	tion		
case detection at	cases detected through	(**************************************		mmun				mmun				
community level	ACD at community			ucted	,			lucted	,			
· · · · · · · · · · · · · · · · · · ·	level /NMEC DHIS2											
Activities												
National												
Rolling out			Х	Х	Х	Х	Х	Χ	Х	Х		
enhanced												
Surveillance												
(Component D) in												
remaining districts												
in Central,												
Copperbelt, Lusaka,												
North western,												
Eastern, Luapula,												
Northern and												
Muchinga Provinces												
Provide TSS for the			Χ	Χ	Х	Х	Х	Χ	Χ	Х		
rolling out of												
enhanced												
surveillance			1									

			TIMEFRAME									
			2020				2021					
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Provincial												
Coordinate and			Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ		
provide TSS in roll												
out of enhanced												
surveillance												
District												
Train health			Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ		
facilities and												
provide TSS in												
enhanced												
surveillance												
Health facility												
Implement			Х	Χ	Χ	Χ	Х	Χ	Х	Χ		
enhanced												
surveillance												
Task 4: Health	Number of cases		Mala	ria dat	a repo	Malaria data reported						
facilities and	reported via mobile				es by l		using phones by health facilities and CHWs					
communities	phones/NMEC DHIS2		facili	ities ar	nd CHV	Vs	facil	ities ar	nd CHV	/s		
report malaria data												
using mobile												
phones in the												
malaria												
surveillance												
system						1			1			
Activities												
National												
Procurement and			X	Χ	Χ							
replacement of												
mobile reporting												
phones for												
Component B and												
Component D												
Conduct inventory			X									
of operational												
mobile reporting												
phones			X	X	X							
Distribute phones to Provinces			^	^	^							
Provinces									-	1		
Conduct inventory									-	1		
of operational												
mobile reporting												
phones												
District									-	+		
Conduct inventory			X						-	+		
of operational			^									
or operational	l .			1	1	1	<u> </u>	1				

INDICATOR/MEANS OF VERIFICATION Combined Teporting Phones Combined Teporting Phon	Q4					
VERIFICATION	Q4					
phones Distribute phones to health facilities Health facility Distribute phones to CHWs Use of phones for reporting at Health Facility and Community INDICATOR/MEANS OF VERIFICATION Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance Distribute phones to X X X X X X X X X X X X X X X X X X						
Distribute phones to health facilities Health facility Distribute phones to CHWs Use of phones for reporting at Health Facility and Community INDICATOR/MEANS OF VERIFICATION Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance X						
health facilities Health facility						
Health facility Distribute phones to CHWs Use of phones for reporting at Health Facility and Community INDICATOR/MEANS OF VERIFICATION Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance Individual case follow up reports Pilot Case based surveillance National Activities (2 districts in Southern prov.) Implement Case based surveillance National						
Distribute phones to CHWs Use of phones for reporting at Health Facility and Community INDICATOR/MEANS OF VERIFICATION Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance Distribute phones to CHWs X X X X X X X X X X X X X X X X X X X						
Use of phones for reporting at Health Facility and Community INDICATOR/MEANS OF VERIFICATION Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance in low burden health facilities (2 districts in Southern prov.) INDICATOR/MEANS OF VERIFICATION BASELINE Q1 Q2 Q3 Q4 Q1 Q2 Q3 Malaria eliminated and resurgences prevented where malaria has been eliminated Malaria eliminated resurgences prevented where malaria has been eliminated National X X X X X X X X X X X X X X X X X X						
Use of phones for reporting at Health Facility and Community INDICATOR/MEANS OF VERIFICATION Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance in low based surveillance						
reporting at Health Facility and Community INDICATOR/MEANS OF VERIFICATION Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance INDICATOR/MEANS OF VERIFICATION BASELINE Q1 Q2 Q3 Q4 Q1 Q2 Q3 Malaria eliminated and resurgences prevented where malaria has been eliminated A (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated X X X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities X X X Individual case follow up reports Activities Activities X X X Individual case follow up reports Activities Acti						
Facility and Community INDICATOR/MEANS OF VERIFICATION Task 5: Individual case follow up reports Individual case follow resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) INDICATOR/MEANS OF VERIFICATION BASELINE Q1 Q2 Q3 Q4 Q1 Q2 Q3 Malaria eliminated and resurgences prevented where malaria has been eliminated Malaria eliminated resurgences prevented where malaria has been eliminated X X X X X	Χ					
INDICATOR/MEANS OF VERIFICATION Passeline Pilot Case based surveillance Pilot Case based Pilot C						
INDICATOR/MEANS OF VERIFICATION Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance Individual case follow up reports O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated Malaria eliminated resurgences prevented where malaria has been eliminated X X X X X X X Individual case follow up reports Malaria eliminated resurgences prevented where malaria has been eliminated X X X X X Individual case follow up reports National Pilot Case based surveillance X X X Individual case follow up reports Malaria eliminated resurgences prevented where malaria has been eliminated X X X X X Individual case follow up reports National Resurgences prevented where malaria has been eliminated X X X Individual case follow up reports National Resurgences prevented where malaria has been eliminated X X X Individual case follow up reports National Resurgences prevented where malaria has been eliminated X X X Individual case follow up reports National Resurgences prevented where malaria has been eliminated X X X Individual case follow up reports National Resurgences prevented where malaria has been eliminated resurgences prevented resurgences preve						
VERIFICATION Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in Southern prov.) Implement Case based surveillance VERIFICATION O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated Adalaria eliminated resurgences prevented where malaria has been eliminated VERIFICATION O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated VERIFICATION O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated VERIFICATION O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated VERIFICATION O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated VERIFICATION O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated VERIFICATION O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated VERIFICATION O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated VERIFICATION O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated VERIFICATION NATIONAL STATEMENT OF THE PROPERTY OF THE PR						
Task 5: Elimination and prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in Southern prov.) Implement Case based surveillance Individual case follow up reports O (DHIS2 Malaria eliminated and resurgences prevented where malaria has been eliminated National X X X X X X X X X X X X X X X	Q4					
Elimination and prevention of resurgences prevented where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance Presurgences prevented where malaria has been eliminated Resurgences prevented where malaria has been eliminated Presurgences prevented where malaria has been eliminated Presurgences prevented where malaria has been eliminated NAT X X X X X X X X X X X X X X X X X X X						
prevention of resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance Nation of resurgences where malaria has been eliminated been eliminated Where malaria has been eliminated been eliminated National X X X X X X X X X X X X X X X						
resurgences where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance Deen eliminated	ıted					
where malaria has been eliminated Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance X X X S SURVEILLANCE S SURVEI						
been eliminated Activities Image: Comparison of the comparison	been eliminated					
Activities National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X						
National Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance						
Pilot Case based surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance						
surveillance in low burden health facilities (2 districts in Southern prov.) Implement Case based surveillance X X X						
burden health facilities (2 districts in Southern prov.) Implement Case based surveillance X X X						
facilities (2 districts in Southern prov.) Implement Case based surveillance						
in Southern prov.) Implement Case based surveillance X X X						
Implement Case based surveillance X X						
based surveillance						
in low burden health						
facilities (2 districts in Southern prov.)						
Finalize X						
development						
/reviewing of tools						
Train provinces X						
Provide TSS X X X X X						
Provincial A A A A A A A A A A A A A A A A A A A						
Train districts X						
Provide TSS to X X X X						
districts						
District						
Train health X						
facilities and						
provide TSS						

			TIME	FRAM	ΙΕ					
			2020				202	1		
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Support facilities in	721411011		X	Х	Х	X				
implementing case			``	^	^					
based surveillance										
Health Facility										
Implement case			Х	Х	Х	Х				
based surveillance			^	^	^	^				
basea sai veinarioe	INDICATOR/MEANS OF	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	VERIFICATION	DAGLENL					8	œ.	Q,J	Q.T
Task 6:	Training reports	xx (Scorecard)	India	cators	and pla	anned	Indi	cators	and pla	anned
Implementation of			activ	rities ir	n healti	h	acti	vities i	n healt	h
the malaria			facil	ities ar	nd new	ly	faci	lities a	nd new	ly
scorecard in			crea	ted dis	tricts		crea	ted dis	stricts	
facilities and			traci	ked			trac	ked		
newly created										
districts										
Activities										
National										
Roll out the malaria			Χ	Х	Х	Χ	Χ	Х	Х	Χ
Score card to newly										
created districts and										
health facilities										
Provide TSS for the			Χ	Х	Х	Χ	Χ	Х	Х	Χ
rolling out of the										
scorecard										
Provincial										
Coordinate and			Χ	Χ	Χ	Χ	Х	Χ	Х	Χ
train districts in the										
malaria scorecard										
Provide TSS in roll			Х	Х	Х	Χ	Х	Х	Х	Х
out of the scorecard										
District										
Implement the use			Χ	Х	Х	Χ	Х	Х	Х	Х
of the scorecard										
Train health			Х	Х	Х	Χ	Х	Χ	Х	Х
facilities and										
provide TSS on the										
scorecard										
Health Facility										
Implement the use			Χ	Х	Х	Χ	Х	Х	Х	Х
of the scorecard										
Task 7: Tracking	Number of indicators in		India	cators	in the		Indi	cators	in the	•
malaria indicators	the score card		scor	ecard t	tracked	ł	sco	recard	tracke	d
at all levels in the	tracked/Quarterly									
scorecard	reports									
Activities										
National										

			TIMEFRAME								
			2020				2021	1			
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Updating and			Х	Х	Х	Х	Х	Х	Х	Х	
reviewing of the											
score card											
Track indicators in			Х	Х	Χ	Х	Х	Χ	Χ	Х	
the Score card											
Provincial											
Track indicators in			Х	Χ	Χ	Х	Х	Χ	Χ	Х	
the Score card											
District											
Track indicators in			Х	Χ	Χ	Х	Х	Χ	Χ	Х	
the Score card											
Health Facility					1						
Track indicators in			Х	Х	Х	Х	Х	Х	Х	Х	
the Score card											
Task 8:	Number of CHWs	0	CHW	/s cap	acitate	d in	CHV	Vs cap	acitate	d in	
Continuous	trained in enhanced				surveil			anced :			
capacity building	surveillance/ Training										
in CHWs	report										
conducting											
enhanced											
surveillance											
Activities											
National											
Conduct refresher			Х	Χ	Χ	Х	Х	Χ	Χ	Х	
trainings in											
component D											
Provide TSS			Х	Χ	Χ	Х	Х	Χ	Χ	Х	
Provincial											
Coordinate and			Х	Χ	Χ	Χ	Х	Χ	Χ	Х	
provide TSS											
District											
Train and provide			Х	Χ	Χ	Χ	Х	Χ	Χ	Х	
TSS to health											
facilities											
Health Facility											
Participate and			Х	Х	Х	Х	Х	Х	Х	Х	
implement											
component D											
Task 9:	Number of district staff		District staff					rict sta	ff		
Continuous	trained in HMIS/HMIS		capacitated in HMIS					acitate	d in HM	IIS	
capacity building	training reports										
in HMIS to district											
staff											
Activities											
National											
Conduct refresher				Х	Χ			Χ	Χ		
trainings in DHIS2											

			TIME	FRAM	ΙE					
			2020				2021			
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Provide TSS			Х	Х	Х	Х	Х	Χ	Χ	Х
Provincial										1
Coordinate and			Х	Х	Х	Х	Х	Χ	Χ	Х
provide TSS to the										
districts										
District									1	+
Provide TSS to			Х	Х	Х	Х	Х	Х	Х	Х
health facilities on				'`		'`	``			``
HMIS										
Health Facility										+
Timely submission			X	Х	Х	Х	X	Х	X	Х
of correct and				^	^	^	^			^
complete HMIS										
reports										
Task 10:	Reports		Info	rmatio	ı use a	nd	Info	rmatio	n use a	nd
Strengthen	Keports				at all le		_		at all le	
malaria			OWII	cisiiip	at an it	77013	OWN	cisiiip	at an it	, , , ,
information use										
and ownership at										
all levels										
Activities				1	1	1			1	T
National										+
Conduct malaria				Х	Х			X	X	+
data management				^	^				^	
trainings to										
provinces										
Provide TSS			X	Х	X	X	X	X	X	Х
Provincial										+^-
Coordinate and				Х	Х			Х	Х	+-
train districts				^	^			^	^	
Provide TSS			Х	Х	Х	Х	Х	Х	Х	Х
District			^	^	^	^	^	^	^	+^-
Train health			_	X	X			X	X	+
facilities and				^	^			^	^	
provide TSS										
Health Facility										+
Use data for			Х	X	Х	X	X	X	X	X
decision making			^	^	^	^	^	^	^	^
	EDD plan/raparta	0								
Task 11: Epidemic Preparedness and	EPR plan/reports	U								
•										
response				1	1	1			1	
Activities			-		-			+	+	+
National			- V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-	-	+	+	
Review and update			Χ	Х	Х					
the guidelines					ļ.,	ļ.,	<u> </u>	1	1	
Conduct trainings in					Χ	Χ				
Emergency										

			TIME	FRAM	E					
			2020				2021			
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Prepared and										
Response										
Monitor and						Χ	Χ	Χ		
respond early										
warning systems										
Provincial										
Conduct trainings in			Х	Χ	Χ					
Emergency										
Prepared and										
Response										
Monitor and			Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ
respond early										
warning systems										
District										
Monitor and			X	Χ	Χ	Χ	Χ	Χ	Χ	Χ
respond early										
warning systems										
Health Facility										
Monitor and			Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ
respond early										
warning systems										

4.3.4.2 Strategic Action: Strengthen the Monitoring and Evaluation

Strategic Action Objective: To strengthen capacity to monitor and evaluate the performance of malaria programme **Key Findings from the 2019 Programmatic Mid Term Review**

Reporting of routine distribution of LLINs continues to be suboptimal

Recommended Best Practices

- Data Quality Audits: Conducting DQA on a quarterly and by-annual basis.
- Data Review Meetings: Conducting malaria data review meetings either quarterly, bi-annual and/or annually.
- Supportive supervision and Mentorship (SSM): The NMEP conducts routine SSM at all levels of the
 program. SSM assesses delivery of malaria services, data management, and reporting systems there
 by capacity building district and HF staff and strengthening the health system
- Use of a scorecard to track activities and implementation rate at National, Provincial and District levels

Table 11: Monitoring and Evaluation

			TIMI	EFRAN	ΛΕ					
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1: Alignment of the M & E plan based on the MTR	Updated M&E Plan available/Report		M &	E plar	updat	ed				
recommendations										
Activities										
National										
Review, update and			Х							
disseminate the M &E			^							
plan										
Provincial										
Disseminate the				Х						
updated plan and orient				^						
districts										
District										
Disseminate the				Х						
updated plan and orient										
health facilities										
Health Facility										
Track key malaria				Х	Х	Х	X	X	X	Х
indicators				^	^	^	^	^	^	^
Task 2: Increase	Number of	89 (MTR	Impl	lomoni	ation r	rotoo	lmn	lomoní	ation r	rotoo
	Number of activities			essed	alion i	ales		essed	alioni	ales
program implementation rate		Report)	asse	esseu			asse	esseu		
(Score card work	implemented • Scorecard									
plan)	tracker/monthly									
	reports				,				•	
Activities										
National										
Monitor implementation			Χ	Χ	X	Χ	Χ	Χ	Χ	X
level of activities at										
National level as										
contained in the										
scorecard										
TSS to subnational			Χ	Χ	Χ	Χ	Χ	Χ	Χ	X
level										
Provincial										
Monitor implementation			Χ	X	Χ	Χ	Χ	X	Χ	X
level of activities at										
provincial level as										
contained in the										
scorecard										
Track implementation			Χ	X	X	Χ	Χ	Χ	X	Χ
level for districts										
District										
Monitor implementation			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
level of activities at										

			TIME	FRAN	1E					
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
District level as										
contained in the										
scorecard										
Track implementation			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
level for health facilities										
Health Facility										
Monitor implementation			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
level of activities at										
health facility level as										
contained in the										
scorecard										
Task 3: Improve the	Number of districts audited	0	70 d	istricts	S Audi	ted	70 d	istricts	S Audit	ed
quality of reported	MOV-Audit reports		and	mento	red		and	mento	red	
malaria data in 70										
districts										
Activities										
National										
Conduct Data Quality			Χ	X	Χ	Χ	Χ	Χ	X	Χ
Audits										
Provide			X	X	X	X	X	X	X	X
TSS/Mentorship to			^	^	^	^	^	^	^	^
subnational level										
Provincial										
Conduct Data Quality			X	X	X	X	X	X	X	X
Audits			^	^	^	^	^	^	^	^
Provide			X	X	X	X	X	X	X	X
			^	^	^	^	^	^	^	^
TSS/Mentorship to the districts										
District			V	V	\ \	V	\ <u>\</u>	\ \	V	V
Conduct Data Quality			X	X	X	X	X	X	X	Χ
Audits			V	V	\ \	V	\ <u>\</u>	\ \	V	V
Provide			X	X	X	X	X	X	X	Χ
TSS/Mentorship to health facilities										
Health Facility				V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V	V	V
Conduct data quality			X	X	Χ	Χ	Χ	Χ	X	Χ
audits			1						1	1
Community				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		\ \		1/	1	1/
Participate in Data			X	X	X	X	X	X	X	Χ
Quality Audits	N 1 614		1		4.5	1	4.5	1	1	<u> </u>
Task 4: Review of	Number of data review	0	10		10		10		10	
Malaria performance	meetings held									
A (1.14)	MOV-Reports									
Activities										
National										
Conduct data reviews			Χ		Χ		Χ		Χ	
Provincial										
Conduct data reviews			Χ		Χ		Χ		Χ	

			TIME	FRAN	IE .					
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Support data reviews at			Χ		Х		Х		Χ	
district level										
District										
Conduct data reviews			Χ		Х		Х		Χ	
Support data reviews at			Χ		Х		Х		Χ	
health facility level										
Health Facility										
Conduct data reviews			Χ		Χ		Х		Χ	
Support data reviews at			Χ		Х		Χ		Χ	
community level										
Task 5: Track	Number of reviews done	0	Indic	cators	tracke	d annı	ally	I	I	1
achievement rates of	MOV-Reports						•			
the NMESP against										
set targets by year										
(2020, 2021)										
Activities										
National										
Track achievement			Χ				Χ			
rates at national level										
Provincial										
Track achievement			Χ				Χ			
rates at provincial level										
District										
Track achievement			Χ				Χ			
rates at district level										
Health Facility										
Track achievement			Χ				Χ			
rates at health facility										
level										
Task 6: NMESP End	End-term review report									Х
Term Review	•									
Activities										
National										
Preparations to conduct						Χ	Х			
End-term review										
Task 7: Health	Number of health facilities						1			
Facilities using	using standardized									
standardized ITN &	registers									
RDT registers	MOV- Registers	1								
Activities										
National							İ			
Procurement of							Χ			
standardized collection										
tools (ITN & RDT		1								
registers)										
Distribution to							Х			
subnational level										
Provincial	 									

			TIME	FRAN	1E					
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Distribution to Districts							Х			
District										
Distribution to Health								Χ		
facilities										
Health Facility										
Using of the								Χ	Χ	Χ
standardize tools										
Task 8: Track	LLINs implementation									
implementation of	monitoring report available									
ITNs mass campaign										
and continuous										
distribution in										
schools, community										
and ANC/EPI 2020 -										
2021										
Activities										
National										
Monitor and evaluate at				Χ	Χ	Χ	Χ	Χ	Χ	Χ
subnational level										
Provincial										
Monitor and evaluate at				Χ	Χ	Χ	Χ	Χ	Χ	Χ
district level										
District										
Monitor and evaluate at				Χ	Χ	Χ	Χ	Χ	Χ	Χ
health facility level										
Health Facility										
Conduct inventory for			Χ	Χ						
data collection tools										
Track 9: Track	IRS implementation									
implementation of IRS	monitoring report									
campaign 2020 - 2021										
Activities										
National										
Monitor and evaluate at					Х	Х				
subnational level										
Provincial					1		1		1	1
Monitor and evaluate at					Х	Х	1			
district level										
District					1		1			
Monitor and evaluate at					Х	Х				
health facility level										
Health Facility					1				1	1
Conduct inventory for			Χ	Х	†					
data collection tools										

4.3.4.3 Strategic Action: Strengthen Operational Research Strategic Action Objective:

• To conduct research for evidence-based programming.

Recommended Best Practices

Research Priority Setting

 NMEP through SMEOR and all stakeholders have developed a list of research priority questions stratified as short, medium and long term. Thus, any person or organization intending to conduct malaria research must first take cognizance of NMEP research priorities.

Research/Survey

- The NMEP carries out the Malaria Indicator Survey (MIS) every after 2 years at community level. The MIS assesses coverage of key malaria interventions and malaria-related burden among children under five years of age, and is a key tool for tracking process in fighting the disease and improving targeting of resources.
- The NMEP also conducts Therapeutic Efficacy Study every 2 years to monitor the therapeutic efficacy of anti-malarial medicines for treatment of uncomplicated malaria. The findings of the study are important to ensure that efficacious drugs are used to maintain quality malaria case management in the country.
- Additionally, the NMEP conducts researches based on the research priority list on a yearly basis and their findings provide guidance to programmatic planning.

Table 12: Operational Research

			TIMEFRAME INE Q1 Q2 Q3 Q4 Q1 Q2 Q3							
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1: Guide programmatic implementation and policy for malaria	Availability of evidence to inform program implementation and policy decision making Number of policies informed by research		and p	ram im policy f ed by e d resea	or mal	aria	polic guide	ementa y for m	videnc	
Activities										
National										
Coordinate research			Х	Х	Χ	Х	Х	Χ	Х	Х
activities										
Implement AFROII project(Eastern Prov. Nyimba)			х	Х	х	х				
Conduct ITN durability study										
Conduct PROACT and ANC surveillance study			х	Х	Х	х				
Conduct field trials of Attractive Toxic Sugar Baits			х	Х	X	х				

			TIME	FRAM	E					
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Disseminate the			Х	Х	Х	Х				
Research findings to										
all stakeholders										
Provincial										
Participate in			Х	Х	Х	Х				
research activities										
Disseminate the			Х	Х	Х	Х				
Research findings to										
stakeholders										
District										
Participate in			Х	Х	Х	Х				
research activities										
Disseminate the			Х	х	х	х				
Research findings to				^	^	^				
stakeholders										
Health Facility										
Participate in			Х	Х	Х	Х				
research activities				^	^					
Task 2: Update	Availability of updated		Prior	ritios in	malari	a rosos	rch 20	20-2021	update	d d
priorities in malaria	malaria research		1 1101	iuos iii	maran	a 10300	11011 201	LU-LUL 1	upuate	u
research 2020-2021	agenda									
Activities	agenua									
National										
Coordinate priority					Х				Х	
setting					^				^	
Provincial										
Participate in priority					Х				Х	
setting					^				Α	
District										
Participate in priority					V				v	
					X				Х	
setting Health Facility										
Participate priority					Х				Х	
setting Task 3										
	Assailabilites of dusas	/D	2020	2024 [2001040			laviala v	nonitor	
Monitor resistance of antimalarials	Availability of drug	(Drug	2020	-2021 1	Resista	nce or	antimai	ariais n	nonitor	ea
or antimalarials 2020-2021	resistance monitoring	Resistance								
2020-2021	report for 2020-21/	Monitoring								
Activities	Report	Report)								I
Activities					-				-	
National			1	1	1					
Monitor efficacy of			Х	Х						
malaria treatment										
drugs 2020 – 2021				1	1					
Coordinate and			Х	Х						
monitor				1	1					
Provincial								1		

			TIME	FRAME						
	INDICATOR/MEANS OF	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	VERIFICATION									
Participate in			Х	Χ						
monitoring activities										
District										
Participate in			Χ	Х						
monitoring activities										
Health Facility										
Participate in			Х	Х						
monitoring activities										

4.3.5 Service Delivery Area: Programme Management

Service Delivery Area Objective: To increase the implementation rate of activities from 51% in June 2019 to 95% in 2020 and 100% in 2021 in real time

4.4.5.1 Strategic Action: Strengthen Capacity of the National Malaria Elimination Programme to implement planned activities.

Strategic Action Objective: To increase the implementation rate of activities from 51% in June 2019 to 95% in 2020 and 100% in 2021 in real time.

Key Findings from the 2019 Programmatic Mid Term Review

- The National Malaria Elimination Business Plan 2018–2020 estimated a gap of approximately USD US\$ 100 million. The drivers were iCCM and MDA (Business Plan Pg. 22). Malaria funding both from government and partners has shown some increase but the resource gap for achieving the goals remains.
- Planning and implementation of some activities still concentrated at the central level.
- The EMC, an intersectoral body has been established with a mandate for advocacy and to mobilise resources. In the first half of 2019 it has established a secretariat and is beginning to pursue innovative financing.
- The implementation rate of activities was at 51%.
- Procurement challenges for commodities that requires orders before manufacturing e.g. DDT, DHAP, LLINs,
- Human Resources- Malaria Elimination Officers not fully appointed at both Provincial and District. Some staff at Central Level not yet confirmed

Additional Key Findings during MOP meeting

- Delayed disbursement (Not aligning funds to activities? Not aligning procurements plans to annual work plans)
- · Capacity to manage the tools in use e.g. scorecard
- Malaria Operational Plan not disseminated to the lower levels
- Absence of quantification core groups as called by the Health Sector Supply Chain Strategy and Implementation Plan 2019-2021.

Recommended Best Practices

- Harmonised malaria elimination annual work plan (scorecard). With provinces and districts to achieve the "3 ones" principle of partnership management namely: one plan, one monitoring and evaluation, and one coordination mechanism.
- There has been strengthened resource mobilization with increased budgetary allocation from government and partners
- Development of the Business plan
- Establishment of the End Malaria Council and End Malaria Fund
- Appointment of Malaria Elimination Officers at subnational level has markedly improved programme visibility and coordination.
- A number of Cross Border Malaria Initiatives have been established to synchronize efforts and interventions by bordering countries (ZAMZIM NAMZAM),
- Central level monthly directorate and partners' meetings to track progress.
- Quarterly Technical Working groups to determine recommendations on policy and strategic direction.
- Mid Term Review of the (NMESP) provides a good opportunity to assess progress made against set targets, identify key challenges hindering progress and recommend improvements for enhancing programme performance to assure impact
- Annual reviews
- Decentralizing planning to the Neighborhood Committees
- Establishment of Quantification Core Group

Table 13: Program Management

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1: Disseminate Mid Term Review Report to all levels.	Number of institutions with a copy MTR Report in use /Field report	0	100%							
Activities										
National										
Disseminate the MTR report			Х							
Use report			Х	Х	Х	Х	Χ	Χ	Χ	Χ
Provincial										
Disseminate the MTR report			Х							
Use report			Χ	Χ	Х	Х	Χ	Χ	Χ	Χ
District										
Disseminate the MTR report			Х							
Use report			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Health Facility										
Use report			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Task 2: Disseminate Malaria Operational Plan 2019-2021	Number of institutions with a copy MOP in use /Field report	0	100%							
Activities										

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
National										
Finalise the Malaria			Х							
Operation Plan										
Disseminate the MOP to			Х							
the Provinces										
Use MOP report			Х	Χ	Χ	Х	Х	Χ	XX	Χ
Provincial										
Disseminate the MOP to			Х							
the Districts										
Use MOP report			Х	Χ	Х	Х	Х	Х	Х	Х
District										
Disseminate the MOP to			Х							
the Health facilities			^							
Use MOP report			Х	Х	X	Х	Х	Х	Х	Х
Health Facility					+^-	+^-	+^-	+^-	 ^	1
Use MOP report			Х	Х	Х	X	Х	Х	Х	Х
Ose MOP Teport			^	^	^	^	^	^	^	^
Task 3: Scale up the	Number of institution	0	100%							
		١	100%							
Harmonised work plan	using the scorecard/Action									
to all levels(Province,	tracker									
District, Health Facility	tracker									
and Neighborhood										
Committees)										
Activities										
National										
Create the harmonized			Х							
work plan template for			^							
2020 for all levels										
Convene annual work			Х		+					
plan harmonization			^							
meeting for the provinces										
Update the workplan			V	Х	Х	X	Х	Х	Х	Х
			Х	^	^_	^	^	^		
Provincial			V				+		1	
Convene annual			Х							
workplan harmonisation										
meeting for the Districts			V	\ <u>'</u>	V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1/	V	1/
Update the workplan			Х	Х	Χ	Х	Х	Х	Х	Х
District							+		1	-
Convene annual			Χ							
workplan harmonisation										
meeting for the health										
facilities			,,	ļ.,	.	1	1	ļ.,	ļ.,	1
Update the workplan			Χ	Χ	X	Х	Х	Χ	Χ	Х
Health Facility										
Convene annual			Χ							
workplan harmonisation										
meeting for the										
community										

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
(neighbourhood health committee)										
Update the workplan			Χ	Х	X	X	X	Х	Х	X
	Dranautian of health	0	100%	^	^	^		^	^	+^-
Task 4: Scale up scorecard for the Health Facility	Proportion of health facility using scorecard on the ALMA platform	0	100%							
Activities										
National										
Negotiate with ALMA to expand the platform to include health facilities			X							
Orient the Provinces on use of the platform			Х							
Use scorecard to prioritise actions			Х	Х	Х	Х	Х	Х	Х	Х
Provincial										
Orient the districts on use of the platform			Х							
Use scorecard to prioritise actions			Х	Х	Х	Х	Х	Х	Х	Х
District										+
Conduct training of the health facility on use of the platform				Х	X					
Use scorecard to prioritise actions				Х	Х	Х	Х	Х	Х	Х
Health Facility										
Use scorecard to prioritise actions				Х	Х	X	X	Х	Х	Х
Task 5: Establish quantification core groups	Core group function/quantification reports									
Activities										
National				İ						1
Adopt and adapt TORs			Х							1
Nomination of members			X		1					+
Appointment of members			X		+	1				+
Task 6: Development of	Number of flow charts	0	3		1		+			+
Procurement flowcharts for key	developed and in use/F									
commodities and equipment for										
Campaigns.										
National				t	1		1			†
Develop a procurement flowchart for DDT (IRS)			Х							
Develop a procurement flowchart for Dhap(MDA)			Х							

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Develop a procurement			Χ							
flowchart for LLINS(Mass										
LLINs)										
Disseminate the			Χ							
procurement flowchart										
Use of flow charts to			Χ							
direct action			``							
Provincial										
Disseminate the			Χ							
procurement flowchart to										
the Districts										
Use of flow charts to			Х							
direct action			^							
District				1	1			-	-	1
				+	+					1
Disseminate the			Х							
procurement flowchart to										
the Healthy Facility										
Use of flow charts to			Χ							
direct action										
Health Facility										
Disseminate the			Χ							
procurement flowchart to										
the Community										
Neighbourhood health										
Committee										
Use of flow charts to			Χ							
direct action										
Task 7: Scale up 'real-	Proportion of facilities	37%	50%	75%	90%	100%				
time' Progress	updating									
Tracking to all levels	scorecard/Action									
using the action tracker	tracker									
on the malaria										
scorecard										
National										
Orientation of staff			Χ							
Scorecard and work plan			Х	Х	Х	Х	Χ	Х	Х	Х
presented at monthly			``	1		``	``	'	``	``
directorate meetings										
Provincial				1	1					
Orientation of staff			Χ	+	+	1			<u> </u>	+
Include			X	Χ	X	Х	Х	Х	Χ	Х
scorecard/workplan as			^	^	_^		^	^	^	_^
an agenda item in										
monthly meetings										
District				+	+			-		1
				1	1			-	-	1
Orientation of staff			V	\ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V	V	V	V	V
Include			Х	X	Χ	Х	Χ	Х	Χ	Χ
scorecard/workplan as										
an agenda item in										
monthly meetings				1						

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Health Facility										
Orientation of staff			Χ							
Include scorecard/work			Х	Х	Х	Х	Χ	Χ	Х	Χ
plan as an agenda item in										
monthly meetings										
Task 8: Build Capacity	Proportion of staff	37%	50%	75%	90%	100%				
to manage	able to use ITC									
administrative	services/Work plan									
processes	implementation rate									
electronically	through the action									
,	tracker									
National										
Design the package of			Χ							
equipment required										
Induction/onboarding of			Χ	Χ	Χ	Х	Χ	Χ	Х	Χ
new staff into malaria										
elimination management										
processes										
Consult in the designing			Χ							
of the equipment required										
at Provincial level										
Provincial										
Consult in the designing			Χ							
of the equipment required										
at District level										
Induction/onboarding of			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
new staff into malaria										
elimination management										
processes.										
District										
Consult in the designing			Χ							
of the equipment required										
at Health Facility level										
Induction/onboarding of			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
new staff into malaria										
elimination management										
processes.										
Health Facility										
Consult in the designing			Χ							
of the equipment required										
at Community level										
Induction/onboarding of			Χ	Χ	Χ	X	Χ	Χ	Χ	Χ
new staff into malaria										
elimination management										
processes.										
Task 10: Alignment of	Proportion of	N/A	100%							
available resources to	workplan aligned with									
the workplan timelines	available									
at all Levels	resources/Action									
	tracker									
National										

		TIMEFRAME								
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Consolidated annual			Х							
spending Plan aligned to										
the work plan										
Monthly alignment of			Χ		Χ	Х	Х	Χ	Χ	Χ
resources to the work										
plan										
Provincial										
Consolidated annual			Х							
spending Plan aligned to										
the work plan										
Monthly alignment of			Χ	Х	Χ	Х	Х	Х	Х	Х
resources to the work								'		'
plan										
District									1	
Consolidated annual			Χ				+	1	1	1
spending Plan aligned to			^`							
the work plan										
Monthly alignment of			Χ	Х	Χ	X	Х	Х	Χ	Х
resources to the work			^		^	^	^		^	^
plan										
Health Facility									 	
Consolidated annual			Х							+
			^							
spending Plan aligned to										
the work plan			Χ	Х	Х	X	X	Х	Х	X
Monthly alignment of			^	^	^	^	^	^	^	^
resources to the work										
plan Neighbourhood health									-	
committee										
Consolidated annual			Х	1					1	
			^							
spending Plan aligned to										
the workplan			<u> </u>	-	Х	 	X	Х	X	
Monthly alignment of			Х	Х	^	X	^	^	^	Х
resources to the workplan	Droportion of CDMI	200/	30%	100%			-		 	
Task 11: Strengthen Cross border Malaria	Proportion of CBMI which are	30%	30%	100%						
	which are functional/Action									
	tracker									
neighbouring	udckei									
countries(Zambia, Malawi Namibia,										
,										
Mozambique)			-				+	1	+	
National			_	1			+	1	+	+
Conduct SWOT analysis			X	1			+	1	1	+
Engage with bordering			Х							
countries.			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- V	1,,	1,/	1,,	1,,
Facilitate CBMI steering			Χ	Х	Χ	X	X	Х	Χ	Х
committee meetings			L				1	1	1	\bot
Coordinate/ Support			Χ				Χ			
convening of annual				<u> </u>					<u> </u>	

			TIME	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
review and planning meetings										
Provincial										
Support districts convene CBMI monthly meetings to share the border data			Х	X	Х	X	Х	X	Х	X
District										
Convene meetings to share data			Х	X	X	Х	Х	Х	X	Х
Implement CBMI activities.			Х	Х	Х	Х	Х	Х	Х	Х
Undertake exchange visits			Х	Х	Х	Х	Х	Х	Х	Х
Health Facility										
Task 12: Establish New	Proportion of	N/A		1		100%				†
Crossborder Malaria Initiatives with three neighbouring countries	functional CBMI/Action tracker									
(Tanzania, DRC, and										
Botswana).										
National										-
Conduct SWOT analysis				X						-
Engage with bordering countries										
Facilitate CBMI steering				Х	Χ	X	Χ	Χ	Х	Χ
committee meetings										
Provincial				1,7	.,	1,7		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Convene CBMI meetings				Х	Х	X	Χ	Х	Х	Х
District					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Participate in CBMI meetings				Х	Х	Х	Х	Х	Х	Х
Health Facility					ļ.,					
Synchronise CBMI activities				Х	Х	Х	Х	Х	Х	Х
Task 13: Expand the CSO contracting systems	Number of CSOs implementing community-based activities	16	50							
	Number of CSOs receiving grants to implement community based activities									
National				1						
Review grants management manual to national context	Refer to SBCC			X						
Develop contracts for CSOs				Х				Х		

		TIMEFRAME								
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Provide oversight,				Х	Х	Х	Χ	Χ	Х	
technical support										
supervision										
Conduct TOT on contract				Χ				Χ		
management										
Provincial										
Conduct training of				Х				Χ		
districts on contract										
management										
Provide oversight,					Х	Х	Χ	Χ	Х	
technical support					'`	'	, ,	'`	'	
supervision										
Guide and oversee					Х	X	Х	Х	Х	+
implementation of						^	^`	``	^	
malaria interventions										
undertaken by CSOs										
District									1	
Contract CSOs				Х				Х		
Guide and oversee					X	X	Х	^	Х	
implementation of					^	^	^		^	
malaria interventions										
undertaken by CSOs										
Health Facility				+					1	
Work with CSOs in					X	X	Х	Х	Х	+
					^	^	^	^	^	
implementation of malaria interventions										
undertaken										
									-	-
Neighbourhood Health										
Committee				-	V	V	V	V	V	+
Work with CSOs in					Х	X	Χ	Х	Х	
implementation of										
malaria interventions										
undertaken	5					4000/			-	
Task 14: Mount a	Proportion of	60%				100%				
Campaign to raise	Gap/Management									
Funds for Malaria	reports									
Elimination									1	
National Dayslan compaign			V			+	-	1	1	+
Develop campaign			Х							
strategy			\ \ \	- V	- V	 	V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<u> </u>	.,
Hold fund raising events			Χ	Х	Х	Х	Χ	X	Х	Х
(Dinner dance, musical										
concert)					.,	1		.,	1,,	
Participate in Fund			Χ	Х	Х	Х	Χ	X	X	Х
raising events at										
Provincial and District										
levels										
Development of			Χ							
guidelines creating										
EMCs/EMF by level	1				I			1		1

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Disseminate the			Х							
guidelines										
Share the campaign										
strategy										
Provincial										
Hold fund raising events			Χ	Χ	Х	Х	Х	Χ	Χ	Χ
(Dinner dance, musical										
concert)										
Participate in Fund			Χ	Х	Х	Х	Х	Χ	Х	Х
raising events at District										
levels										
Creating EMCs/EMFs			Х							
Hold fund raising events			X	Χ	Х	Х	Х	Х	Х	Х
District			<u> </u>	<u> </u>	+	+^-	+^-	 	<u> </u>	1
Hold fund raising events			Х	Χ	X	X	Х	Х	Х	Х
(Dinner dance, musical			^	^`		^		^	^	
concert)										
Participate in Fund			Х	Χ	X	X	Х	Х	Х	Х
raising events at Health					^		^			
Facility levels										
Creating EMCs/EMFs			Χ			+				
Health Facility			^			+			1	
Hold fund raising events			Χ	Х	X	Х	Х	Х	Х	X
Neighbourhood health			^	^	^	^	^_	^	^	^
committee										
			Χ	Х	X	X	X	Х	X	X
Hold fund raising events	Availability of the	N/A	100%	^	^	^	^_	^	^	^
Task 15: Develop and	,	IN/A	100%							
implement a malaria	policy document									
policy document National						+			+	
			V			+			+	
Convene Task Team to			Χ							
develop malaria policy			V							
Government approval			Χ							
processes			V							
Print the malaria policy			Χ							
document						_			-	
Launch Malaria Policy				X						
Disseminate policy				Х						
document to province							.,	1,7	1	
Use policy document			Χ	Χ	Х	Х	Χ	Х	Χ	Х
Provincial			ļ.,					1	1	
Disseminate policy			Χ							
document to district									1	
Use policy document			Χ	Χ	Χ	Х	Х	Χ	Х	Х
District										
Disseminate policy			Χ							
document to health										
facility			<u> </u>							
Use policy document			Χ	Χ	Х	Х	Χ	Χ	Χ	Х
Health Facility										

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Disseminate policy document to Neighbourhood health committee			Х							
Use policy document Neighbourhood Health			Х	X	X	X	X	X	Х	X
committee			X	X	X	X	X	Х	Χ	X
Use policy document Task 16: Enhance NMEP Operations	Proportion of NMEC functions operational/Action tracker	100%	^	^	^	^		^	^	^
National										
Hold EMC Meetings			Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Hold EMF Meetings			Χ	Χ	X	Χ	Χ	Χ	Χ	Χ
Convene monthly Directory meetings			Х	Х		Х	Х	Х	Х	Х
Hold TWGs Meetings, quarterly			Х	Х	Х	Х	Х	Х	Х	Х
Convene annual reviews February 2020			Х				Х			
Conduct an end-term review May-/June2021)								Х		
Update and maintain the website			Х	X	X	X	X	X	X	X
Align transport plan to work plan			Х				Х			
Province Hold Provincial EMC Meetings			Х	X	X	Х	X	Х	Х	Х
Hold Provincial EMF Meetings			Х	Х	Х	Х	Х	Х	Х	Х
Hold PMATF Meetings, quarterly			Х	Х	Х	Х	Х	Х	Х	Х
Convene annual reviews			Χ				Χ			
Participate in end-term review (2021)								Х		
District										1
Hold District EMC Meetings			Х	Х	Х	Х	Х	Х	Х	Х
Hold District EMF Meetings			Х	Х	Х	Х	Х	Х	Х	Х
Hold DMATF Meetings, quarterly			Х	Х	Х	Х	Х	Х	Х	Х
Convene annual reviews			Χ				Χ			
Participate in an end-term review (2021)								Х		<u> </u>
Health Facility										

			TIME	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Participate in an end-term review (2021)								Х		
Task 17: Human Resource :Positions in the Establishment filled and confirmed	Proportion of the establishment filled/Tracker	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
National										
Finalise appointments			Х	Х	Х	Х	Χ	Χ	Х	Х
Develop Orientation										
package for MEO			Χ							
Orient MEO			Χ							
Coordinate Supportive			X	Х	Х	Х	Х	Χ	Х	Х
Supervision to Provincial / District HMT										
Provincial										
Participate in orientation			Χ							
Coordinate Supportive Supervision to District HMT /Health Facility			Х	X	X	X	X	Х	Х	X
District										
Participate in orientation			Χ							
Coordinate Supportive Supervision to Health Facility			X	X	X	Х	Х	Х	Х	Х
Health Facility										
Coordinate Supportive Supervision to Neighbourhood committee			X	Х	Х	X	Х	Х	X	X
Task 18: Collaborate	Proportion of	N/A								
with International Stakeholders in conferences	international conferences(eligible) attended/Reports									
Activities										
National										
Selection of participants			Χ	Х	Х	X	Χ	Χ	Χ	Χ
Mobilisation of resources			Χ	Х	Х	X	Χ	Χ	Χ	Χ
Participate			Χ	Χ	Х	X	Χ	Χ	Χ	Χ
Provincial										
Participate			Χ	Х	Х	Х	Χ	Χ	Χ	Χ
District										
Participate			Χ	Х	Х	Х	Χ	Χ	Χ	Χ
Task 19: Prepare a Global Fund(GF) grant	G/F grant awarded					100%				
application					1					
Activities										
National										
Appoint a Task Team			Χ							
Development of proposals			Х	Х	Х	Х				

			TIME	FRAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 20: Prepare Presidential Malaria Initiative(PMI) MOP	PMI-MOP granted				100%				100%	
Activities										
National										
Participate in MOP			Χ							
Task 21: Prepare Medium term Expenditure	MTEF submitted				100%				100%	
Framework (MTEF) plan										
Activities										
National										
Prepare planning Technical updates			Х	Х						
Disseminate planning update at the planning				Х	Х					
circle Launch meeting			V	V	- V					
Prepare the directorate			Х	X	X					
MTEF plan Technical Support				X	X					
Supervision during the Provincial Planning				^	^					
meetings										
Provincial										
Participate in the MoH planning circle			Х	Х						
Prepare Provincial Technical updates				Х	X					
Convene a Provincial Planning meeting			Х	Х	Х					
Disseminate the Technical updates to the districts				X	X					
Technical Support Supervision during the District Planning				Х	X					
Prepare Provincial plan			Χ							
Submit Consolidated final plan to MoH				Х	X					
Align MTEF plan to work plan			Х				Х			
District										
Participate in the Provincial planning			Х	Х						
meeting Propers undetes			1		- V			1		
Prepare updates Convene a district			Х	X	X					
Planning meeting Convene a district Planning meeting				Х	Х					

			TIMEF	RAME						
	INDICATOR/MEANS OF VERIFICATION	BASELINE	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Participate in the health facility planning meeting				Х	Х					
Technical Support Supervision during Health Facility Planning			Х							
Prepare district MTEF plan				Х	Х					
Submit Consolidated final District plan to Province			Х				Х			
Align MTEF plan to work plan			Х	Х						

5.0 Monitoring and Evaluation

In order to monitor and evaluate the malaria programme performance, key indicators will be tracked for each service delivery area as follows:

Table 14: List of selected indicators for each service delivery area

Service delivery area	Strategic action/s	Key Outcome Indicators	Impact Indicators
Malaria Case Management	Strengthen the management of malaria cases	Proportion of patients with suspected malaria who receive parasitological diagnosis by RDT and/or microscopy. Proportion of patients with confirmed malaria who receive an antimalarial. Proportion of women who received 3+ doses of intermittent preventive treatment during ANC visits during their last pregnancy. Proportion of HFCA in level two where MDA was conducted.	Malaria parasite prevalence Malaria incidence rate per 1,000 population Malaria mortality rate per 100,000 population Number of foci by classification Proportion inpatient deaths due to malaria
Vector Control	 Strengthen IRS implementation capacity in all Health Facility Catchment Areas Improve ITNs Ownership and Use Strengthen entomological surveillance Strengthen Larval Source Management Strengthen entomological surveillance 	Percent of HHs with at least one insecticide-treated net ITN. Percent of HH members who slept under ITN the previous night. Percent of HHs with at least one ITN per sleeping space. Percent of pregnant women who slept under an ITN the previous night. Percent of children ages 0–59 months who slept under an ITN the previous night. Percentage of women of reproductive age group who slept under an ITN the night before. Percentage of households with an ITN-to-Sleeping space ratio of at least 1:1, among household with at one ITN. Percentage of households with at least one ITN and/or sprayed by IRS in the last 12 months. Proportion of structures sprayed against the eligible structures. Proportion of the population protected with IRS against the total population. Percent of HHs receiving IRS in the previous 12 months.	Number of HFCAs that were malaria free in which malaria has re-established Number of HFCAs that have newly eliminated malaria
Social and Behaviour Change communication	 Strengthen the capacity to implement social behavioral change communication 	Percentage who sought treatment from a facility provider same day or next day after onset of symptoms. Percentage of children under five who slept under an ITN	

Service delivery area	Strategic action/s	Key Outcome Indicators	Impact Indicators
		Percentage of pregnant women who slept under an ITN Percentage of household members who slept under an ITN Percentage of households accepting IRS against eligible number of households Percentage HCWs who adhere to treatment guidelines (by provider type) Percentage community member adhering to treatment	
Surveillance, Monitoring, Evaluation and Operations Research	 Strengthen the surveillance system at all levels Strengthen the Monitoring and Evaluation Strengthen operational Research 	# research activities planned versus completed Updated priority research plan available Availability of an updated M&E plan Proportion of expected health facility reports received at national level Availability of an updated, validated data repository #HFCAs reporting on elimination Number of policies/guidelines on malaria elimination informed by research Implementation rate for planned activities. Completeness of health facility reporting Proportion of malaria cases detected by surveillance system Proportion of cases investigated and classified Proportion of foci investigated and classified	
Programme Management	Strengthen Capacity of the National Malaria Elimination Programme to implement planned activities.	Percentage of funds available versus the need. Percentage government commitment to malaria elimination. Proportion of health facilities without stock outs of first line treatments. Proportion of health facilities without stock outs of RDTs (or microscopy consumables). Percentage of health facility without stock outs of SP for IPT.	

6.0 Assumptions and Risk

The performance of the programme is critical to ensure attainment of the elimination target by 2021. However, this is based on the assumption that there will be adequate resources allocated to the operations at all levels of the health system. The total financial commitments must match the need. The absorption capacity of allocated and disbursed funds has to be high in line with budget projections. Fiduciary arrangements and clear implementation arrangements should enhance risk management and performance efforts. Thus, resource mobilization activities will be key to ensure universal coverage of high impact vector control interventions so as to reduce malaria transmission to the lowest level possible. Sentinel site surveillance for drug and insecticide resistance needs to be heightened so as to early detect any emergence of resistance and recommend alternative actions where feasible. To fast track implementation and prevent reintroduction of malaria in areas where it had already been eliminated, surveillance systems must be capacitated to early detect and rapidly report imported malaria cases. This will enable the country to address the potential risk arising from cross border trade and movement of people. In program management, procurement and supply chain management has been enhanced to ensure better forecasting of needs, timely procurement and distribution of malaria commodities. Addressing commodity security is critical in this phase of the NMESP. To monitor the performance of the programme, an elaborate M&E system utilizing both routine and periodic data sources coupled with innovations for timely reporting is cardinal. Utilisation of available information to make decisions on for example, resource allocation, service organization, commodity delivery models and anticipate needs will go a long way in addressing bottlenecks during implementation. Findings from the MTR were used to inform the adoption of best practices during this implementation period. An end term evaluation has been planned to gauge the overall programme performance and measure the impact of the interventions. Regionally, it is assumed that there are opportunities to support malaria elimination through the SADC frameworks (e.g. E8 initiative) and also the malaria cross border initiatives being implemented. The various partners, working under the coordinating role of the NMEC are on board and in support of the technical approach. Thus, with adequate risk management at various levels and in all service delivery areas, Zambia remains optimistic to attain malaria elimination and sustain it beyond 2021. The assumptions and risks by service delivery area are outlined in Table 15.

Table 15: Assumptions and Risks

Assumption	Risk	Risk Level
Case Management:		
Available RDTs and ACTs are of quality	Poor quality of RDTs and ACTs	Low
Health care workers adhere to guidelines	HCW non-adherence to guidelines	Medium
Timely procurement of commodities and supplies	Late procurement of commodities and supplies	High
Timely and appropriate distribution of commodities and supplies	Weak supply chain management system	High
Patients seek care promptly and appropriately	Patient late seeking behaviour	Medium
LLINs:		
Timely procurement and distribution	Late procurement	Medium
Utilisation of ITNs	Low utilisation by community members	High
	Insecticide resistance	High
IRS:		F. P.
Household hold acceptance	Low acceptance	Medium
Access to HHs	Hard to reach areas	Low
Availability of spray operators	Poor work attitude or adherence to SOPs	Low

Assumption	Risk	Risk Level
Quality insecticide available Availability of functional spraying equipment	Insecticide resistance Faulty or obsolete spraying equipment	High Medium
SBCC Availability of resources to implement SBCC as per communication strategy	Knowledge action gap	Medium
SMEOR:	D 16 " 1116	.
Research priorities are updated and relevant	Research findings not available for use	Medium
Timely and complete reporting by HFCAs	Late and incomplete reporting	Low
Sentinel surveillance sites are fully operational	Sentinel sites not operational	Medium
Information generated will be used to improve program performance and resource allocation	Low uptake of available information from RHIS, surveys and or sentinel sites	Medium
Program Management:		
Availability of adequate resources to support implementation	Gaps in financing or delays in disbursing available funds	High
Timely and adequate procurement of commodities	Misprocurements or delays in procurement	High
Availability of competent staff at all levels	Staff turn over	Low
Well-coordinated partnerships	Weak coordination of partners	Low
Coordination with neighbouring SADC member states in cross border malaria elimination/control activities	Imported malaria via cross border travel or trade	High

7.0 References

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