



EASTERN  
HIGHLANDS  
PROVINCIAL  
HEALTH AUTHORITY



# EASTERN HIGHLANDS

## QUARTER TWO 2024-FIELD TRIP REPORT



HEALTH FACILITY MALARIA SUPERVISORY VISITS & MALARIA  
COMMODITIES DISTRIBUTION

Ivy Niemperry  
ASSISTING MALARIA COORDINATOR  
NATIONAL MALARIA CONTROL PROGRAM-ROTARIAN AGAINST MALARIA

## **SUMMARY DETAILS**

Regional Malaria coordinator: Nelly Jerry

Assisting Malaria Coordinator: Ivy Niemperry

Destination: Eastern Highlands Province

Date of Visits commenced: 21<sup>st</sup> .05.2024 to 07<sup>th</sup> .06.2023

Number of Days: 18 Days

Purpose of Visit: 2024 Round 2 of Supervisory Malaria Visits & Distribution of RDT, MALA 1 and Antenatal and Positive Mosquitoes Nets.

## **PURPOSE OF VISIT**

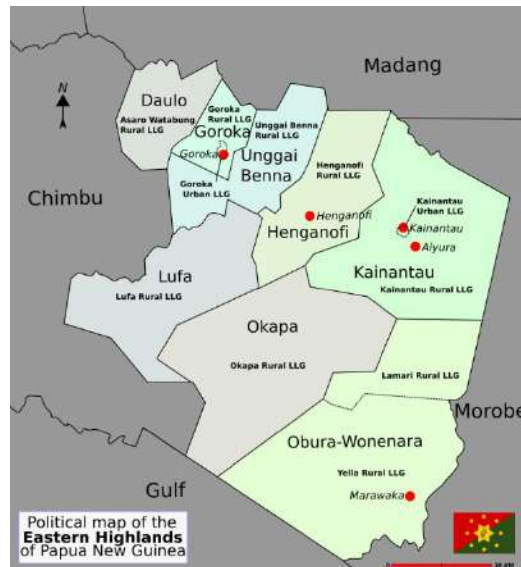
A Regional Malaria Coordinator Visit to the province is a part of the National Malaria Control Program to work with the Provincial Malaria Supervisor for the following;

1. Conduct supervisory M&E visits and a view to improving Malaria record and reporting in the province
2. Coordinate the distribution of Malaria commodities to accessible Health Facilities which includes RDT Malaria Test Kits, Artemisin Combine Therapy Drugs, antenatal nets for pregnant woman and Positive Nets for Malaria Positive Patients.
3. Identify challenges that are faced in the facilities and take necessary measures to correct them.
4. Conduct short on-site trainings with provincial, district and Health Facility staff on the current malaria treatment protocol, Use of the types of RDT filling of Malaria register, malaria reporting and;
5. Maintain a good working relationship with PHA and the Health Facility staff as well as other partners in the province.

## **BRIEF PROVINCIAL BACKGROUND**

Eastern Highlands Province is one of the seven provinces of the Highlands Region in Papua New Guinea it covers an area of 11 157km<sup>2</sup>. By 2011 census the population of EHP was 579 825. The province shares land borders with four Provinces. Towards the North border with Madang Province, East border with Morobe Province, South Border Gulf Province and West Border with the Chimbu province. EHP is accessible by air and Land Transport.

There are eight Districts, Daulo, Goroka, Henganofi, Kainantu, Lufa, Obura Woonenara, Okapa and Uggai Bena each district with three or more reporting health facilities totaling to 40 reporting health facilities in Eastern Highland Province.



**Staff Worked with:**

EHP Provincial Vector Control Officer\_ Peter Kiwari

**Driver**

Erick Mui- Recognized Volunteer Driver by EHPPHA

1. Assisted Nelly from Lae(RMC travelled to lae on the 20<sup>th</sup> May to bring up nets from lae) to EHP 21.05.2024 conducted Health Facility Visits and continued with Ivy until 08.06.2024 for 18 days

**People Met With**

1. Dr Max Manape- Public Health Director
2. Jackson Appo-PDCO
3. Philip Vanua- Deputy Director programs
4. Francisca Wanua-PHIO
5. Steven Igofum Quality Assurance Officer Goroka Base Hospital
6. OIC/Clinic Managers and Health Staff of all the Health Facilities in EHP

**VEHICLE USE**

- LCC 529- The vehicle is in good condition however is not suitable for some areas with rugged road, raining/wet road conditions thus some facilities were not visited.
- No incidents during Q2 RMC/PMS Visit
- Small dents on the left side of the vehicle which occurred during the use of LLIN operations in Hagen before it was drove down to Goroka for RMC Q2 Visits



**SUMMARY OF SUPERVISORY HEALTH FACILITY VISITS**

**Table 1.** Health Facilities in the province and their accessibility.

	<b>District</b>	<b>Health Facility</b>	<b>Health Facility Type</b>	<b>Agency</b>	<b>Accessibility</b>	<b>Accessibility Status</b>
1	Daulo	Asaro	HC	Government	Road	Accessible
2	Daulo	Tafeto	SC	Catholic	Road	Accessible
3	Daulo	Watabung	SC	Government	Road	Accessible
4	Daulo	Kwongi	SC	EBC	Road	Accessible

5	Goroka	Goroka Base Hospital	Hospital	Government	Road	Accessible
6	Goroka	West Goroka	UC	Government	Road	Accessible
7	Goroka	North Goroka	UC	Government	Road	Accessible
8	Goroka	Kama	UC	Government	Road	Accessible
9	Henganofi	Fore	SC	Foursquare	Road	Accessible
10	Henganofi	Hengnofi	HC	Government	Road	Accessible
11	Henganofi	Kesavaka	SC	Government	Road	Accessible
12	Henganofi	Komperi	SC	EBC	Road	Accessible
13	Kainantu	Kainantu Rural	Hospital	Government	Road	Accessible
14	Kainantu	Onamunga	SC	Salvation Army	Road	Accessible
15	Kainantu	Yauna	SC	EBC	Road	Accessible
16	Kainantu	Musave	CHP	Government		
17	Kainantu	Yafa	CHP	Government		
18	Lufa	Lufa	HC	Government	Road	Accessible
19	Lufa	Nupuru	SC	Government	Road	Accessible
20	Lufa	Ubaigubi	SC	Government	Air	Inaccessible
21	Lufa	Gouno	SC	Faith Mission Church	Road	Inaccessible
22	Obura Wonenara	Andakombi	SC	Government	Air	Inaccessible
23	Obura Wonenara	Barabundora	SC	EBC	Road	Accessible
24	Obura Wonenara	Kassam	SC	EBC	Road	Accessible
25	Obura Wonenara	Marawaka	HC	Government	Air	Inaccessible
26	Obura Wonenara	Obura	SC	EBC	Road	Accessible
27	Obura Wonenara	Omaura	SC	SDA	Road	Inaccessible
28	Obura Wonenara	Simbari	SC	Government	Air	Inaccessible
29	Obura Wonenara	S.I.L	UC	Summer Institute Linguistic	Road	Accessible
30	Obura Wonenara	To Okena	SC	EBC	Road	Accessible
31	Obura Wonenara	Wonenara	SC	Government	Air	Inaccessible
32	Obura Wonenara	Owena	SC	Baptist Church	Air	Inaccessible
33	Okapa	Henagaru	SC	Government	Road	Accessible
34	Okapa	Ivingoi	SC	Open Bible Church	Road	Accessible
35	Okapa	Misaipi	SC	Salvation Army	Road	Inaccessible
36	Okapa	Okapa	HC	Government	Road	Accessible
37	Okapa	Yasubi	CHP	Government	Road	Accessible
38	Ungai Bena	Sigerehe	SC	Government	Road	Accessible
39	Ungai Bena	Unggai	SC	Government	Road	Accessible
40	Ungai Bena	Kapakamagarigi	CHP	Government	Road	Accessible

**Table 2:** Health Facilities Physically Visited

No	Date of Visit	District	Health Facility	Comments
1	31.05.2024	Daulo	Asaro HC	Physically Visited
2	28.05.2024	Daulo	Tafeto SC	Physically Visited
3	31.05.2024	Daulo	Watabung	Physically Visited
4	29.05.2024	Daulo	Kwongi	Physically Visited
5	25.05.2024	Goroka	Goroka West UC	Physically Visited
6	30.05.2024	Henganofi	Fore	Physically Visited
7	30.05.2024	Henganofi	Henganofi	Physically Visited
8	29.05.2024	Henganofi	Kesavaka	Physically Visited
9	06.06.2024	Henganofi	Komperi	Physically Visited

10	05.06.2024	Kainantu	Kainantu	Physically Visited
11	05.06.2024	Kainantu	Onamunga	Physically Visited
12	04.06.2024	Obura Wonenara	Obura	Physically Visited
13	04.06.2024	Obura Wonenara	S.I.L	Physically Visited
14	31.05.2024	Unggai Bena	Sigerehe	Physically Visited
15	31.05.2024	Unggai Bena	Kapakamarigi	Physically Visited

**Table 3:** Percentage of Accessibility

There are 40 reporting health facilities per table 1 above. Thirty-eight health facilities are known. The other two HFs Musave and Yafa are CHPs. 22 Health facilities were visited out of the 28 accessible health facilities

	Qtr 1	Qtr 2	Qtr 3	Qtr 4
<b>Total number HFs</b>	38	38	38	38
Total Number Accessible	28	28		
Total Number Reached	22	22		
% Coverage (Accessible)	78.6	78.6	#DIV/0!	#DIV/0!
% Coverage (Total HFs)	57.9	57.9	0.0	0.0

There are a total of 9 accessible aid posts and Sub health facilities are not reporting health facilities that are visited during the quarter which are providing Antennal services, Malaria Test and treatment and producing Manuel reports which are usually along the way when of visiting Reporting Health Facilities.

### **Inaccessible Facilities**

Malaria Supplies were consigned for the following fly off Areas

1. Andakombi
2. Wonerara
3. Owena
4. Simbari

Unfortunately, Marawaka did not have any flights and their supplies were left at PHA for staff to pick when they are able to travel to Goroka.

For Inaccessible Road Health Facilities;

1. Omaura- supplies Left at SDA Church Kainantu
2. Misaiipi-supplies Left at Salvation Army Kainantu Health Services

### **ANC LLIN REPORT**

1. Antenatal Nets Distribution in EHP

2024 ANC Net Distribution in NCD	
Quarter One (1)	1200
Quarter Two (2)	1500
Quarter Three (3)	
Quarter Four (4)	



\*After Quarter Two distribution there is nil stock of Antenatal Nets.

## ACCOUNTABILITY OF MALARIA DRUGS & RDT -STOCK

All EHP Malaria supplies are stored at EHPPHA. RDT and drugs at the Malaria Office. Stock on Hand as of 07<sup>th</sup> June 2024

1. Test Kits 131-Parascreen Boxes Exp 01/2025 Biocredit 100 Boxes Exp\_ 09 2024
2. ACT 6\_ Nilstock
3. ACT 12\_ Nilstock ( NO Q2 supply)
4. ACT 18\_ 24 Boxes Exp 01/2025
5. ACT 24\_ 40 Boxes Exp 01/2025
6. Primaquine 88 Boxes and Containers Exp 10/2025

Figure 1 shows the packing List of Quarter Two EHP Malaria Supply. In the Supply includes RDT Test Kits, ACT 6, ACT 18, ACT 24 and Primaquine Supply. There are no ACT 12s in the Supply.

Yvesi Kousim Malaria		 <b>PACKING LIST</b>		 <b>NATIONAL MALARIA ELIMINATION PROGRAMME</b>	
DESTINATION:	EASTERN HIGHLANDS PROVINCE	SHIPPER:	TNT	CONSIGNMENT/WAYBILL NO.	GE946923482WW
PACKAGING DATE:	30-May-24	INVOICE NO.		ACTION OFFICER:	JESSICA SANA
				DATE:	20-May-24

CARTON #	NUMBER OF CARTONS	ITEM	QUANTITY PER CARTON	TOTAL QUANTITY	TOTAL IN BASIC UNITS	BATCH #	EXPIRY DATE	WEIGHT PER CARTON (Kg)	TOTAL WEIGHT (Kg)	VOLUME PER CARTON (m <sup>3</sup> )	TOTAL VOLUME (m <sup>3</sup> )
1 TO 5	5	RDT	40	200	1,000	101536	Jan-25	13	65	0.07	0.35
6	1	ACT18	24	24	600	7254366	Jan-25	15	15	0.07	0.07
7 TO 8	2	ACT24	24	48	600	7254204	Jan-25	15	30	0.07	0.14
9	1	RDT	32	32	800	101531/101536	Jan-25	10	10	0.07	0.07
10	1	ACT6	8	8	200	7254204	Jan-25	7	7	0.06	0.06
		ACT18	4	4	100	7254175	Dec-24				
		ACT24	9	9	225	7254175	Dec-24				
		PQ	76	76	1,900	JMP101	Nov-26				
<b>TOTAL</b>	<b>10</b>							<b>127</b>	<b>0.69</b>		

TOTAL SUMMARY					
		ITEM	PACKETS	INDIVIDUAL UNITS	SOURCE (GF/GoPNG)
No. of Cartons	10	RDT	232	5,800 test kits	GF
Weight (Kg)	127	ACT6	8	240 blister pkts	GF
Volume (m <sup>3</sup> )	0.69	ACT 12	NIL STOCK	blister pkts	
		ACT18	28	840 blister pkts	GF
		ACT 24	57	1,710 blister pkts	GF
		PRIMAQUINE	76	7,600 tablets	WRITTEN OFF STOCK

FIGURE 1 PACKING LIST FOR EHP QUATER TWO (2) 2024

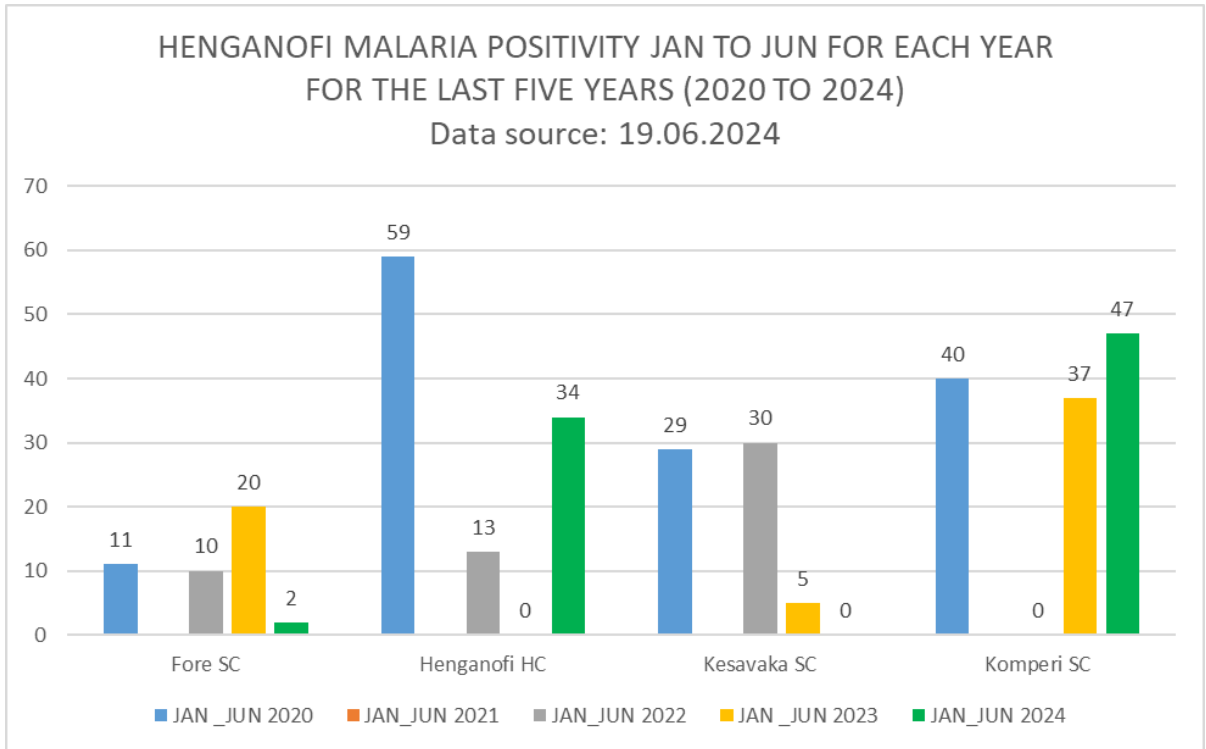
## FINDINGS AND OBSERVATION

<b>HEALTH FACILITY</b>	<b>RDT/ACT STOCK MANAGEMENT</b>	<b>TREATMENT</b>	<b>LLIN</b>	<b>REPORTS</b>
<b>Asaro</b> <b>Date:31.05.2024</b> <b>Ivy/Peter</b>	All Malaria Supplies locked and key was taken by staff in charge and was not available.	Health staff aware of the treatment Protocol	All nets given are well accounted for. 100 nets were issued	All reports submitted and eNHIS updated well.
<b>Tafeto</b> <b>Date:28.05.2024</b> <b>Nelly</b>	Have a storage place for Malaria Commodities	Health staff are aware of the treatment Protocol	Nets accounted for and received 50 nets	All reports are submitted.
<b>Watabung</b> <b>Date:31.05.2024</b> <b>Ivy/Peter</b>	Malaria Drugs are kept in a locked office for easy monitoring and recording	Health staff are aware of the treatment	Unaccounted for nets from Q1 thus no nets issued this quarter	Poor Recording and reporting of Malaria entries not done timely upon visit RDT Test done were not recorded staff in charge had to record before Registers were taken otherwise ENHIS was updated with all reports
<b>Kwongi</b> <b>Date:29.05.2024</b> <b>Nelly</b>	Have a storage place for Malaria commodities	Health staff are aware of the treatment Protocol	Nets are accounted for and received 50 nets	All registers collected and eNHIS updated well.
<b>Goroka WEST</b> <b>Date: 25.05.2024</b> <b>Nelly</b>	Drugs and RDT stored well	Health staff are aware of the treatment Protocol	No Nets issued	Registers collected and only 4 reports were submitted via ENHIS
<b>FORE</b> <b>Date:30.05.2024</b> <b>Nelly/Peter/Ivy</b>	Drugs and RDT kept in the dispensary	Health staff are aware of the treatment protocol	Nets given in Q1 were not accounted for well, thus no ANC Nets issue	Registers filled in well and collected and eNHIS updated well
<b>Henganofi</b> <b>Date: 30.05.2024</b> <b>Nelly/Peter/Ivy</b>	Have a Dispensary all Drugs and RDT stored no stock cards used	Health staff aware of the treatment Protocol Artesunate Injection	No nets issued this quarter	Malaria Registers collected and eNHIS updated with all 5 reports
<b>Kesawaka</b> <b>Date: 30/05/2024</b> <b>Nelly/Peter/Ivy</b>	All Drugs and RDT stored in the dispensary	Health staff are aware of the treatment protocol;	Nets accounted for and received 50 nets	Malaria Registers updated well and all reports updated on the eNHIS
<b>Komperi</b> <b>Date: 06.06.2024</b> <b>Ivy/Peter</b>	Have a Locked Dispensary to store drugs	Health staff are aware of the treatment	Nets are accounted for and 50 nets issued	Malaria Registers recorded well .Report in eNHIS not on time only 4 reports shown
<b>Kainantu Rural Hospital</b> <b>Date: 05.06.2024</b> <b>Ivy/Peter</b>	Have a Dispensary Building that stores all Malaria RDT and Drugs have a about 14 aid post and hence all nearing 06/2024 expiring Primaquine		Very good accountability of Nets 150 nets were issued	Malaria Registers collected and entered in the eNHIS well .Only Four reports submitted through eNHIS

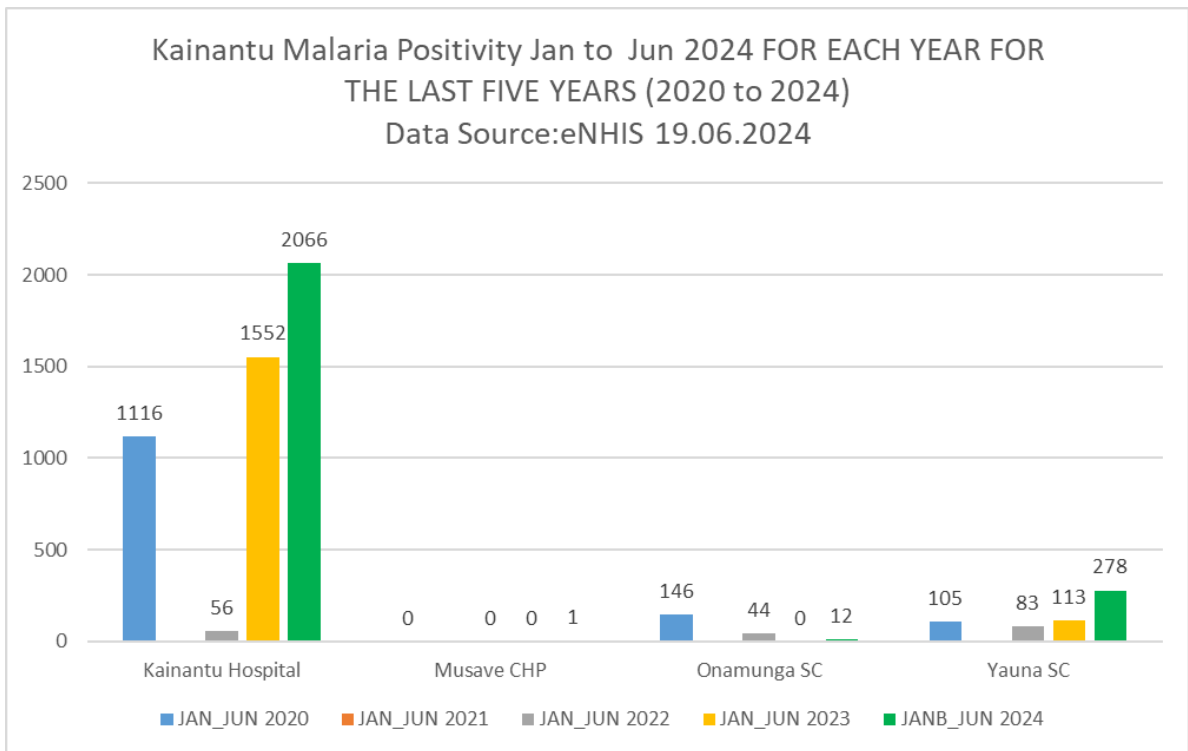
<b>Onamunga</b> <b>Date: 05.06.2023</b> <b>Ivy/Peter</b>	Have a Dispensary storing RDT and Drugs all 06/2024 Primaquine were removed for rotation no stock cards used	Health facility staff are aware of the Treatment Protocol	ANC Nets are accounted for and 100 nets were issued	Malaria Register updated and sent to Kainantu Salvation Army Head office
<b>Obura</b> <b>Date: 04.06.2024</b> <b>Ivy/Peter</b>	Have a locked storage Dispensary for drugs and RDT	Aware of the treatment Protocol	ANC Nets from Q1 distribution not accounted for hence no issue of nets this quarter.	Malaria Registers filled in well and collected, Only three reports submitted in the enHIS
<b>S.I.L</b> <b>Date: 04.06.2024</b> <b>Ivy/Peter</b>	Has a Pharmacy with a Store man looking after the room	Aware of the treatment Protocol	ANC Nets accounted for have enough in stock for use in Q2	Malaria Registers filled in well. Late Reporting only 4 reports submitted
<b>Sigerehe</b> <b>Date: 31.05.2024</b> <b>Nelly</b>	Has a dispensary with drugs and RDT stored in no stock cards used.	Aware of treatment protocol	No Nets issued	Malaria Registers filled Only Four reports submitted to eNHIS
<b>Kapakamamarigi</b> <b>Date: 31.05.2024</b> <b>Nelly</b>	Malaria supplies stored in the dispensary no stock cards used	Health staff are aware of the treatment Protocol	No Nets issued	All Malaria registers filled and all reports submitted on eNHIS (5 reports)

### **SUMMARY OF THE FINDINGS**

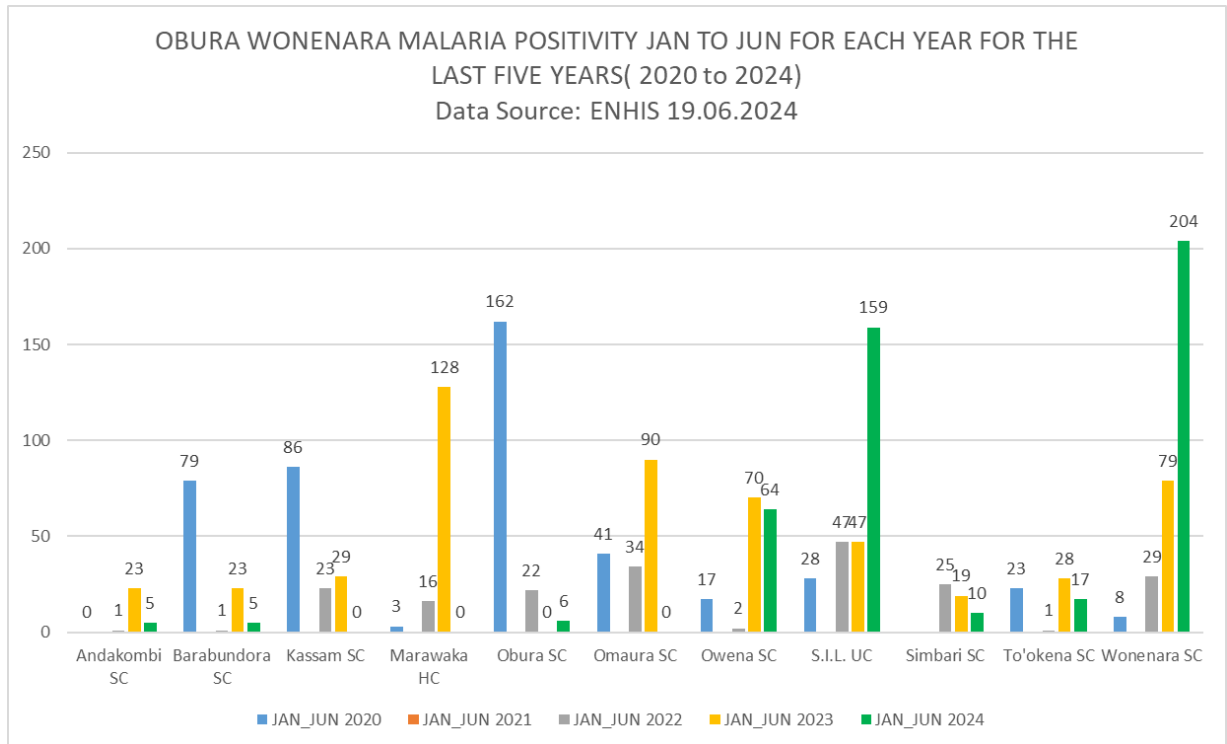
1. Most Health Facilities have Primaquine expiring at the end of the June which was taken out and sent to a very High Malaria burden health Facility Kapuna Rural Health Hospital in Gulf Province
2. Some Facilities had poor accountability of Antenatal Nets issued in quarter one, hence they will not receive nets until they account for all missing nets and guarantee accountability of future nets given
3. Few Facilities are still not aware of the two different types of Primaquine 7.5mg and 13.2mg. dosage
4. **Outbreak Verbal Reports** from Henganofi, Kainantu and Obura Wonnara Districts Health facilities is substantiated with the following malaria data showing an increase in Malaria cases from previous years for Komperi and Henganofi (Figure 2) Kainantu Hospital and Yauna (Figure 3) and SIL and Wonenara Health Facilities (Figure 4)



**FIGURE 2 HENGNAFI MALARIA POSITIVITY IN THE LAST FIVE YEARS(2020 TO 2024)**



**FIGURE 3KAINANTU MALARIA POSITIVITY IN THE LAST FIVE YEARS (2020 TO 2024)**



**FIGURE 4 OBURA/WONENARA MALARIA POSITIVITY IN THE LAST FIVE YEARS (2020 TO 2024)**

**NHIS REPORTING**

Most Health Facilities are filling the Malaria Registers very well and accounting for the RDT wit and ACTs used while a few still inconsistent with recording and reporting. Also there are health staff still not specifying the type of species and recording as Malaria positive only in the Malaria Registers.

**ENHIS**

- ENHIS daily entries are not done timely, however most clinic try as much as possible to enter all data before the reporting week of each month
- There are few facilities not doing eNHIS Registering only submitting monthly reports Discrepancies with the eNHIS malaria registers and eNHIS monthly reports for few facilities. (See Annex One)

**ACHIVEMENTS**

Successfully completing Quarter Two Health Facility Visits

**CHALLENGES**

Timing and type of Vehicle used not all accessible health facilities were visited this quarter.

**RECOMMENDATION**

Land Cruiser will be needed for all rugged roads for future visits

## ACKNOWLEDGEMENT

1. National Malaria Control Program supported
2. Rotarian Against Malaria
3. Area Medical Store MT HAGEN
4. Eastern Highlands Health Authority
5. Institute Medical research –Goroka
6. Christian Health Services
7. MAF Flight Services

### ANNEX ONE: COMPARISON Quarter One (1) 2024 EHP between eNHIS Malaria Registers and Monthly Report

QUARTER ONE 2024	MALARIA REGISTERS ENHIS	MONTHLY REPORT ENHIS				
	Malaria Registers RDT Positives	RDT Positive	Microscopy Positive	Clinicals	Deaths(clinical)	Deaths (RDT)
Andakombi SC	5	5	0	0	0	0
Asaro HC	75	75	0	0	0	0
Barabundora SC		0	0	0	0	0
Fore SC	2	3	0	0	0	0
Gouno SC		2	0	18	0	0
Henagaru SC		0	0	0	0	0
Henganofi HC	3	3	0	4	0	0
Ivingoi SC	20	20	0	1	0	0
Kainantu Hospital	311	180	131.052	17	0	0
Kama UC		0	0	0	0	0
Kapakamarigi CHP	7	7	0	3	0	0
Kassam SC		23	0	4	0	0
Kesavaka SC		8	0	0	0	0
Komperi SC	29	29	0	0	0	0
Kwongi SC	9	9	0	0	0	0
Lufa HC	5	5	0	7	0	0
Marawaka HC	1	1	0	26	0	0
Misapi SC		21	0	4	0	0
Musave CHP		8	0	0	0	0
North Goroka UC		0	0	36	0	0
Nupuru SC	4	4	0	8	0	0
Obura SC		69	0	6	0	0

<b>Okapa HC</b>	16	17	0	1	0	0
<b>Omaura SC</b>		0	0	3	0	0
<b>Onamunga SC</b>	3	3	0	12	0	0
<b>Owena SC</b>	55	55	0	24	0	0
<b>S.I.L. UC</b>	4	8	1	3	0	0
<b>Sigerehe SC</b>	12	12	0	2	1	0
<b>Simbari SC</b>	6	4	0	4	0	0
<b>Tafeto SC</b>	9	9	0	0	0	0
<b>To'okena SC</b>	76	75	0	3	0	0
<b>Ubaigubi SC</b>	2	2	0	0	0	0
<b>Unggai SC</b>		0	0	0	0	0
<b>Watabung SC</b>	11	11	0	0	0	0
<b>West Goroka UC</b>	60	60	0	14	0	0
<b>Wonenara SC</b>		0	0	4	0	0
<b>Yasubi CHP</b>	5	5	0	0	0	0
<b>Yauna SC</b>		22	0	12	0	0
<b>Goroka Base</b>		0	0	0	0	0
<b>Yafa CHP</b>		0	0	10	0	0