



NATIONAL MALARIA CONTROL PROGRAM ROTARIANS AGAINST MALARIA, MILNE BAY PROVINCE 2024 QUARTER 1 FIELD TRIP REPORT



Provincial Based RAM Team with MBPHA Vector Control Officer on a field trip, taking shelter from the storm.

Officers Involved:

1. Sandra. Teibili- *PMS*
2. Florentina. Siweoya – *HMMO*

Accompanying Officers:

1. MBPHA Artisan- *Shane. Doutara*
2. MBPHA Environment Health Officer- *Dian. Muro*
3. MPHA Driver- *Cater. Koleni*

Location: *Alotau-MBP*

Date: *16th February – March 22nd 2024.*

Total number of Days: *14 Days*

Nights away from Alotau/Office: *7 Nights*

OBJECTIVE:

The Purpose of this trip is to:

1. Conduct health facility supervisory visit and distribution of RDTs, ACTs and ANC nets for quarter 01 to accessible facilities. Ensure all inaccessible facilities collect the quarter 01 supplies at the medical transit store
2. Check on outstanding HF Malaria Registers/ Antenatal Net Registers that have not been submitted.
3. Stock-take on all malaria commodities at the health centers and follow up if facilities are up to date in doing stock counts as well as maintaining stock cards.
4. Follow-up on outstanding NHIS Monthly Reports for the past 3 months for the rest of the facilities.
5. Continuous support and assistance with the HMM program where need be.
6. Continue with onsite refresher trainings on malaria treatment protocols, correct documentation, reporting and how to fill in the stock card and keep it maintained.

INTRODUCTION:

Milne Bay Province is a large maritime province in PNG and shares provincial land and sea borders with Oro province to the north-east coast and Central province to the south-western coast line of the mainland PNG.

Milne Bay also shares sea border with the Autonomous Region of Bougainville (AROB) to the east and international sea borders with Solomon Islands to the south-east and Australia to the south-west respectively.

The province has a landmass of approximately 14,345 km² and 252,990 km² of sea with more than 600 islands and about 160 of which are inhabited with an approximate population of 376,307 and speaking 48 different languages.

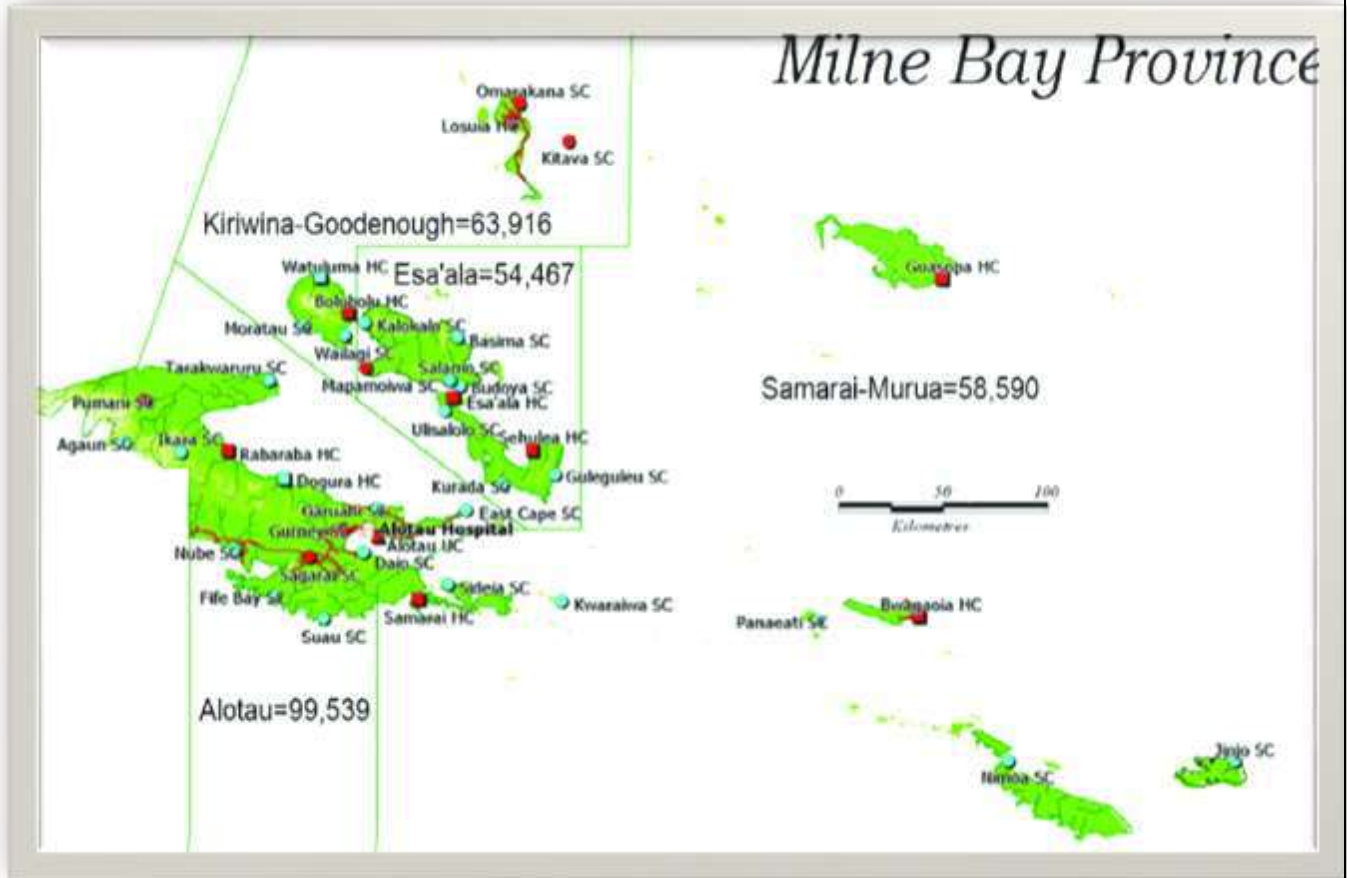
The province is comprised of four (4) districts; Alotau, Esa'ala, Kiriwina-Goodenough and Samarai-Murua with sixteen (16) Local Level Governments (LLGs) and Alotau as the town in the Alotau District.

Milne Bay Province economically depends upon tourism, oil palm, logging, gold mining on Woodlark Island, and many small-scaled village projects: cocoa, copra, fishing and farming.

Majority of the population live in the rural mountain areas and out scattered islands of the province which causes a great challenge to all sectors; government, private, church, partners and stake holders for effective service delivery.

Malaria is one of the leading outpatient cases and public health issues for the province due to its geographical location.

Figure 01: Below is a Map of MBP showing the 4 districts and the 43 HFs. Highlighted Red are of Government run health facilities and highlighted Blue are of Church coordinated facilities.



Milne Bay has 43 registered and operational health centers that are coordinated by both government and church. There are total of 18 government facilities and 25 church run facilities

Figure 02: Table below shows the 25 different church run facilities in MBP.

Church	Health Facility	Total
Anglican	Agaun, Dogura, Garuahi, Ikara, Tarakwaruru	5
Catholic	Basima, Budoya, Daio, Jinjo, Kurada, Nimoa, Sidea, Watulumu	8
United	East Cape, Fife Bay, Guleguleu, Kalokalo, Kwaraiwa, Moratau, Nube, Panaeati, Salamo, Suau, Wailagi, Ulisalolo	12

The province has 17 health facilities (39.5 %) located on the mainland and are all in Alotau District alone. Out of the 17 facilities, 3 of which are inaccessible; Agaun, Ikara, Pumani, 11 only are accessible by road while the other 6 facilities are accessible by road and sea.

The other 26 facilities (60.5 %) are on the outer scattered island districts; Esa'ala 10 facilities, Kiriwina-Goodenough 8 facilities and 8 facilities at Samarai-Murua that are only accessible by sea.

Q1 Procured RDTs and ACTs

Figure 03: Tables below show procured RDTs and ACTs for 2024 MBP-Q1

Carton #	Number of Carton	Item	Quantity Per Carton	Total Quantity	Total in Basic Unit	Batch #	Expiry Date
1 to 67	67	RDT	40	2,680	67,000	101535/533/524/532	Dec-24
68 to 69	2	ACT 6	48	96	2,880	7254175	Dec-24
70 to 73	4	ACT 12	48	192	5,760	7254176/177/178	Jan-25
74 to 78	5	ACT 18	24	120	3,600	7254366	Jan-25
79 to 93	15	ACT 24	24	360	10,800	7254366	Jan-25
94	1	RDT	21	21	525	101535/533/524/632	Dec-24
95	1	ACT 6	17	17	510	7254175	Dec-24
		ACT 12	23	23	690	7254176/177/178	Jan-25
96	1	ACT 18	21	21	630	7254366	Jan-25
97	1	ACT 24	20	20	600	7254366	Jan-25
	97						

Total Summary

# of CTNS	Item	Packets	Individual Units
97	RDT	2,701 <i>packets</i>	67,323 <i>kits</i> -GF
	ACT 6	113 <i>packets</i>	3,390 <i>blister pkts</i> - GF
	ACT 12	215 <i>packets</i>	6,450 <i>blister pkts</i> -GF
	ACT18	141 <i>packets</i>	4,230 <i>blister pkts</i> -GF
	ACT 24	380 <i>packets</i>	11,400 <i>blister pkts</i> -GF

- Milne Bay Province quarter one supplies were received in two different batches. First batch of 55 cartons were received on 01st of February 2024 and second batch of 42 cartons were received on 07th of February 2024 which totalled up to 97 cartons of RDTs and ACTs.
- All RDTs and ACTs were procured by Global Fund.
- There was nil stock of Primaquine received in this quarter.

Summary of Quarter 1 Health Facility Supervisory Visit and Drug Distribution

Quarter one supervisory and drug distribution in Milne Bay commenced on the 16th of February 2024 and ended on the 22nd of March 2024 with a total of 14 days and 7 nights out of office. The provincial based RAM team (PMS/HMMO) physically visited 30 accessible health facilities of which only 9 facilities were visited by road and 21 facilities were visited by sea.

The other 10 accessible facilities were not visited due to weather and time factor and the other 3 are of inaccessible facilities which totals up to 13 facilities not visited in this quarter.

The 13 health facilities not visited are as follows; 4 from Alotau District, 5 from Samarai-Murua District and 4 from Kiriwina-Goodenough District.

- A total of 16 facilities' supplies were dropped off by the team during visit dates
- A total of 11 facilities picked up their supplies from the Medical Transit Store before visit dates
- A total of 9 facilities' supplies were consigned by boats and all have received their supplies well.
- A total of 9 facilities were not supplied as they already had enough buffer stock from quarter 4 of 2023.
- Highlighted in **Orange** and **Red** are inaccessible facilities that picked up their supplies from Medical Transit Store
- Highlighted in **Purple** and **Red** are inaccessible facilities and not supplied as they had enough supplies from quarter 4 of 2024.
- Highlighted in **Purple** are facilities visited but not supplied as they had enough stock from quarter 4 of 2024.
- Highlighted in **Blue** are facilities not visited and not supplied as they had enough stock from quarter 4 of 2024.
- Highlighted in **Green** are facilities visited and dropped of supplies
- Highlighted in **Grey** are facilities visited but supplies were consigned before visit dates.

Figure 04: Table below shows how facilities received supplies, dates of visits and total RDTs and ACTs distributed in this quarter.

No	Date	Facility	RDT	ACT 6	ACT 12	ACT 18	ACT 24
1		Agaun	33	3	3	3	7
2	25.03.24	AGH	0	0	0	0	0
3	16.02.24	Alotau Urban clinic	100	7	14	10	24
4	22.02.24	Bubuleta	50	2	3	9	13
5	19.02.24	Daio	100	6	5	7	12
6	21.03.24	Dogura	50	2	4	4	8
7	22.02.24	East Cape	0	3	6	4	10
8		Fife Bay	30	2	2	2	8
9	21.03.24	Garuahi	0	2	5	3	8
10	13.03.24	Gurney	80	5	5	3	10
11		Ikara	46	3	4	6	9

12	20.02.24	Nube	50	2	4	3	6
13		Pumani	0	0	0	0	0
14	21.03.24	Rabaraba	150	5	10	9	28
15	20.02.24	Sagarai	50	2	3	3	8
16	21.02.24	Suau	21	2	2	2	5
17	22.03.24	Tarakwaruru	50	2	5	2	7
	TOTAL	ALOTAU DISTRICT	810	48	75	70	163
18	02.03.24	Basima	63	5	7	8	19
19	03.03.24	Budoya	100	7	12	6	22
20	03.03.24	Esa'ala	0	0	0	0	0
21	04.03.24	Guleguleu	0	0	0	0	0
22	01.03.24	Kalokalo	50	2	5	3	8
23	04.03.24	Kurada	40	2	4	2	8
24	01.03.24	Mapamoiwa	0	0	0	0	0
25	01.03.24	Salamo	50	5	10	7	18
26	04.03.24	Sehulea	50	7	15	9	24
27	02.03.24	Ulisalolo	50	4	7	5	13
	TOTAL	ESA'ALA DISTRICT	403	32	60	40	112
28	01.03.24	Bolubolu	150	4	10	7	26
29		Kaduaga	0	0	0	0	0
30		Kitava	0	0	0	0	0
31		Losuia	0	0	0	0	0
32	29.02.24	Moratau	100	7	14	8	30
33		Sinaketa	0	0	0	0	0
34	29.02.24	Wailagi	50	3	5	4	20
35	29.02.24	Watuluma	100	0	0	0	0
	TOTAL	KIRIWINA-GOODENOUGH DISTRICT	400	14	29	19	76
36		Bwagaioia	79	5	9	6	24
37		Guasopa	50	3	6	4	16
38		Jinjo	25	1	2	2	5
39	13.03.24	Kwaraiwa	20	4	8	8	16
40		Nimoa	50	3	5	6	10
41		Panaeati	50	3	4	6	10
42	12.03.24	Samarai	50	2	4	5	10
43	12.03.24	Sidea	50	3	4	5	15
	TOTAL	SAMARAI- MURUA DISTRICT	374	24	42	42	106
	TOTAL	MBP	1'987	118	206	171	457

Summary of 2024 Quarter 1 HF's visit and Achievements

Figure 06: Table below shows the number of facilities visited in each district and Achievements in percentages

District	N0 of HF's	Quarter 1	Achievements in %
Alotau	17	13/17	76.5 %
Esa'ala	10	10/10	100 %
Kiriwina- Goodenough	8	4/8	50 %
Samarai- Murua	8	3/8	37.5 %
TOTAL	43	30/43	69.8%

LLIN Antenatal Nets

Milne Bay Province had an opening balance of 4000 pieces (80) bales of ANC LLIN Nets in the beginning of this year.

During quarter one a total of 950 pieces (19) bales were distributed to 15 health facilities leaving the balance at 3,050 pieces. (61) bales.

Accountability of ANC Nets by health facilities is slowly improving by filling in the Mosquito Net Register and submitting with Malaria Register Reports every end of the month.

Figure 05: Top-PMS Sandra. Teibili, conducting onsite refresher training at Sagarai HC
Bottom Right- HMMO Florentina. Siweoya doing RDT/ACT/Primaquine stock count at Samarai HC
Bottom Left- PMS doing stock count of ANC nets at Tarakwaruru HC with HF dispenser.



Vehicles

The two program vehicles; FAD737 and BDW155 are in good running conditions. Both were serviced by Ela Motors and have renewed registrations, MVIL and Safety Sicker for FAD737. BDW155 is yet to have Safety Sticker renewed
All vehicle services and renewal of registrations were done by Rotarians Against Malaria alone.

1: FAD737

- Vehicle was taken into Ela Motors for service on the 12/03/24 and was pick up on the 13/03/24 after service completed with the issue of Road-worthiness Certificate which will be due on the 13/09/ 24.
- The vehicle's 5 old tyres were also changed on the 22/03/24 and old tyres are kept in the RAM storage container at Medical Transit Store.
- Current mileage- 17764
- Last registration-09/08/23
- Next due for registration- 08/11/24
- Last MVIL renewal-08/11/23
- Next due for MVIL renewal-07/11/24
- Last renewal of Safety Sticker- 13/03/24
- Next due for Safety Sticker renewal- 13/09/24

Figure 07: *Below is FAD737 taken into Ela Motors for service*



2: BDW155

- Vehicle was taken into Ela Motors for major service and had new back seats, wind screen, battery clamps and back door.
- New battery was purchased by RAM and a new battery tray
- Current mileage- 79275
- Last registration-08/11/23
- Next due for registration- 08/11/24
- Last MVIL renewal-08/11/23
- Next dude for MVIL renewal-07/11/24
- Last Safety Sticker renewal- 07/07/23
- Yet to be renewed.

Figure 08: Below is BDW155 after major service and brought back to PHA car park.



Dinghy/Motor

The 24ft dinghy and 60hp motor that was received on the 26th of November 2022 is kept in the Medical Transit Store yard.

- The motor is being mounted on a PHA 23ft dinghy and did a test run to Sidea and is confirmed to be in good running condition.
- The 24ft dinghy has never been used since date received.
- Engine serial number: 6K5K-1085455
- Registration number: ALSCA 4854
- Last registration: 04/04/23
- Next due for registration: 04/04/24

Figure 09: Bottom Right- The RAM 60hp motor mounted on PHA 23Ft Dinghy for test run on the Sea to Sidea.

Bottom Left- The RAM 24Ft dinghy kept in the Medical Transit Store yard



NHIS Reports

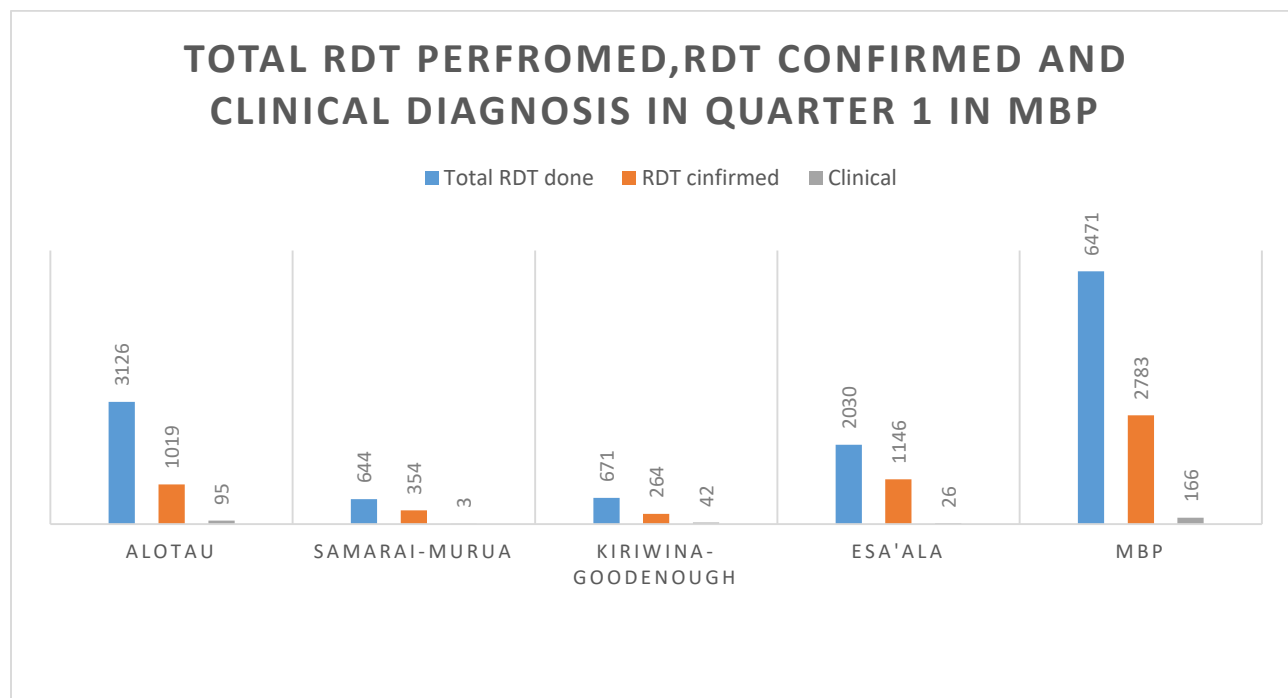
District	Health Facility	Jan	Feb	Mar
Alotau	Agaun			
	Alotau General Hospital			
	Alotau Urban			
	Bubuleta			
	Daio			
	Dogura			
	East Cape			
	Fife Bay			
	Garuahi			
	Gurney			
	Ikara			
	Nube			
	Pumani			
	Rabaraba			
	Sagarai			
	Suau			
Tarakwaruru				
Esa'ala	Basima			
	Budoya			
	Esa'ala			
	Guleguleu			
	Kalokalo			
	Kurada			
	Mapamoiwa			
	Salamo			
	Sehulea			
	Ulisalolo			
Samarai-Murua	Bwagaoia			
	Guasopa			
	Jinjo			
	Kwaraiwa			
	Nimoa			
	Panaeati			
	Samarai			
	Sidea			
Kiriwina-Goodenough	Bolubolu			
	Kaduaga			
	Kitava			
	Losuia			
	Moratau			
	Sinaketa			
	Wailagi			
	Watuluma			

Source: eNHIS

- Green highlights number of reports submitted by facilities to PHIO
- Red highlights number of reports yet to be submitted to PHIO
- Total of 6 facilities yet to submit reports for the months of January to PHIO leaving the total reports at 37 instead of 43
- 20 facilities yet to submit reports for the month of February leaving the total at 23 instead of 43
- All 43 facilities yet to submit reports for the month of March to PHIO
- 6 Facilities yet to submit reports for the months of January to March to PHIO

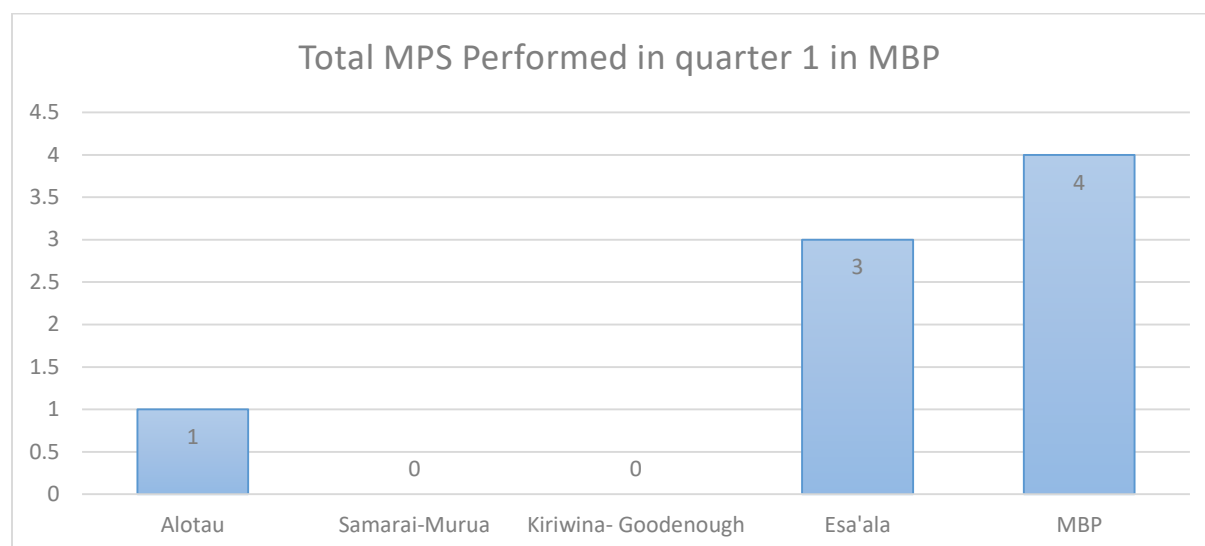
NHIS Data

Figure 09: *Graph below shows total RDT performed, RDT confirmed cases and Clinical Diagnosis*



- Data reflects only facilities who have submitted reports and not finalized as there are facilities yet to submit reports
- There were no reported deaths in this quarter for MBP from reports that have been submitted.
- Despite continuous onsite refresher training and sufficient stock of RDTs at the facilities, staff still perform clinical diagnosis.
- RDT data projected is also not finalized

Figure 10: Graph below shows total MPS performed in MBP in quarter one.



- There are 4 HFs that had laboratory with microscopes; Alotau General Hospital, Bwagaioia, Dogura and Watuluma.
- Currently only 2 facilities in Alotau district; Alotau General Hospital and Dogura HC are performing MPS.
- Other facilities, refer negative cases to Alotau General Hospital Laboratory confirmation
- Data projected are also from facilities that do not have microscopes

PHA Support

MBPHA / Public Health Division continually supports the program with

- deiseal refills for our vehicles to do all our road accessed health facility visits and pick up and drop off before and after field trips.
This quarter a total of 240 liters of deiseal was refilled and used for our field trips.
- Due to no stock of Primaquine received in quarter 04 of 2023 and this quarter, Public Health Division-Disease Control Section has purchased 132 packets of 100 tablets of Primaquine for stocked out facilities at the cost of K3300.00
This has assisted us to keep our facilities restocked with the rotated Primaquine
- MBP based RAM officers are involved in all quarter reviews, PHA Management meetings and combine patrols
- Office space for the 3 provincial based RAM Officers
- Storage space at the Medical Transit Store building and yard for Malaria Drugs and commodities, storage containers and dinghy.
- Drivers

Findings

- In quarter one, a total of 18 facilities had reported stock out of Primaquine
- Five facilities; Alotau General Hospital, East Cape, Kurada, Moratau and Sidea were used to rotate Primaquine and together with the PHA procured Primaquine, the 18 stocked out facilities were assisted. However, due to consumption rates by facilities, this was not enough.
- Due to low stock of Primaquine;
 - some facilities were administering only stat Primaquine dose to all RDT confirmed malaria positive cases.

 - Others were administering stat Primaquine dose to only positive and looked very sick and not all positive cases.
- Stock cards;
 - Only four facilities; Basima, Kurada, Nube and Sidea are still maintaining sock cards while the others have stopped along the way due to transfer of staff to other facilities.
- Reports;
 - Health facilities are still reporting clinical diagnosis despite the stock of RDTs on the shelf and continuous advocacy of no clinical diagnosis
- Accountability of LLIN ANC nets by health facilities is eventually improving

Way Forward

- Continuous and timely procurement and supply of Primaquine to avoid stock out and miss management (treatment) of malaria cases
- Continuous advocacy to health facilities to
 - improve stock card maintenance
 - improve accountability of malaria commodities
 - avoid clinical diagnosis
 - Continue onsite refresher trainings

ACKNOWLEDGEMENT:

We would like to thank;

- GF and RAM for financing all our operations
- PHA Directives for continues support in our operations
- All Government health facilities and their hard working staff both provincial and districts
- All church run health facilities with their OICs and staff; Anglican church, Catholic church and United church
- All our Community Malaria Volunteers and their families
- Provincial based RAM team

We would not have been successful or visited health facilities without the dedication of the

- PHA drivers, local dinghy owners and operators, guest house owners, IPL and Puma for supplying fuel for our operations.

THANK YOU ALL!!!