

## ROTARIANS AGAINST MALARIA

### MILNE BAY PROVINCE FIELD TRIP REPORT FOR MILNE BAY QUARTER 2 of 2024



Iloilo Health Centre staff with Leah(RMC) and Sandra(PMS)

REPORT BY: LEAH MAMAI

TITLE: MALARAI COORDINATOR MILNEBAY PROVINCE

ORGANISATION: ROTARIANS AGAINST MALARIA

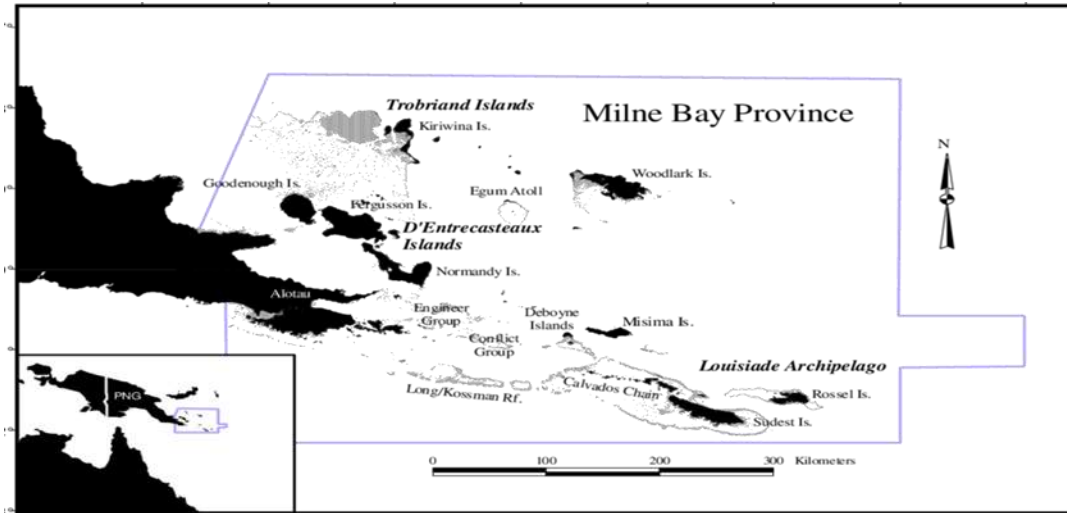
LOCATION: MILNE BAY PROVINCE

# ROTARIANS AGAINST MALARIA

DATE: 1<sup>st</sup> APRIL TO 30<sup>th</sup> JUNE 2024

OFFICERS: LEAH MAMAI(RMC) AND SANDRA TEIBILI(PMS)

**Fig1: Map of Milne Bay Province**



## Back ground

Milne Bay Province has a population of over 37 000 inhabitants and it shares international borders with Australia and Solomon Islands. Milne bay shares provincial borders with Central and Oro and sea boards with AROB and East and West New Britain.

The province is known for it's a beautiful coral islands which attracts a lot of tourist annually. Since Milne bay is a maritime province most of its health facilities are accessible by sea, using dinghy or small sea craft. Health facilities in Milne Bay are accessible however the weather pattern poses a risk to officer's safety to travel the by sea to reach these facilities.

RAM as a partner works closely with MBPHA to fight against Malaria. There are three provincial based officers that work closely with Provincial Disease Control Officer and Vector Control Officers to address Malaria in the Province. Disease Control Officers in the Districts are very supportive when RAM team go into the Districts.

## Flesh Back of Malaria in Milnes Bay quarter 1 of 2024

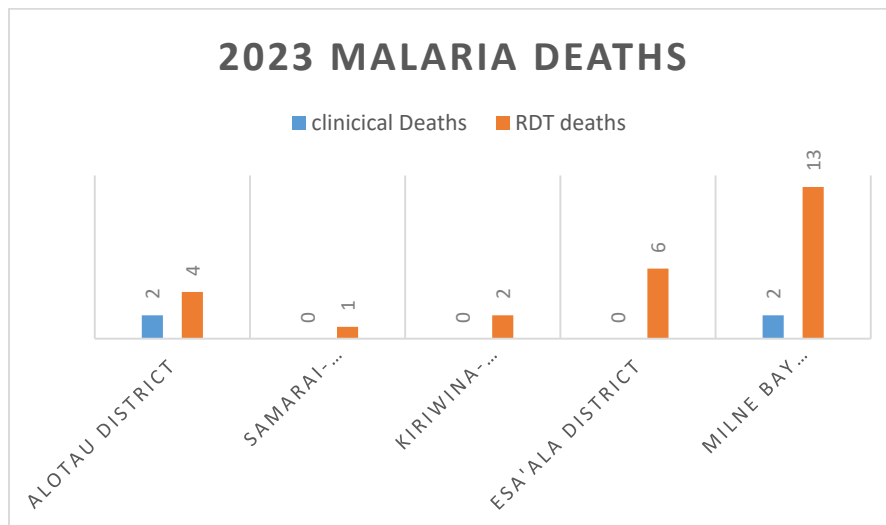
Malaria still remains the main cause of OPD cases and admission in the Province. Malaria, TB, HIV and other life style diseases still remain some of major leading cause of deaths.

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NHIS reports the province from January to March 2024 there were no reported cases of Malaria deaths. Milne Bay province did not receive Primaquine stock during this period that poses a threat to treatment failure and reinfection of Malaria cases. Primaquine was purchased by the Disease Control funding for the province.

Despite many interventions in the fight against -Malaria it is still a major disease burden in the Province and country as a whole.

Graph showing total number of Malaria deaths in 2023



## OBJECTIVES

Rotarians Against Malaria strives to achieve its goals as an organization by working closely with PHA's to deliver the following routine activities;

- Ensure and restock all Health center with the first line Anti-Malarial Treatment. Atermisinin-based combine therapy (ACTs), Primaquine(PQ) and Malaria diagnostic tests(mRDT),
- Supply Antenatal bed nets to pregnant mothers at health facility levels to prevent Malaria in Pregnancy. Reciepts of ANC nets are collected monthly or during supervisory visits.
- Quarterly Visits to health Centers to ensure that all health centers are testing and treating Malaria with the correct Malaria treatment protocols. This is done by doing refresher training with health center staff when PMS and RMC are on site
- Collect and ensure that malaria registers are correctly entered in the eNHIS by health center staff and monthly reports are submitted timely from Health Centre's



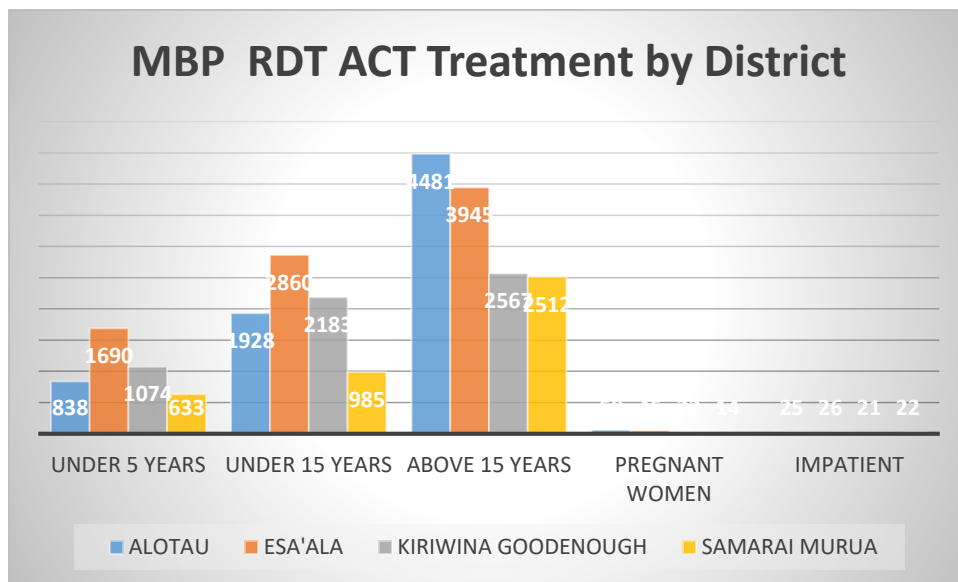
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- Support and Strengthen HMM programme where Community Malaria Volunteers are trained at the community level to test and treat Malaria under the guidance of the supervising health centre as well as the Aid post.

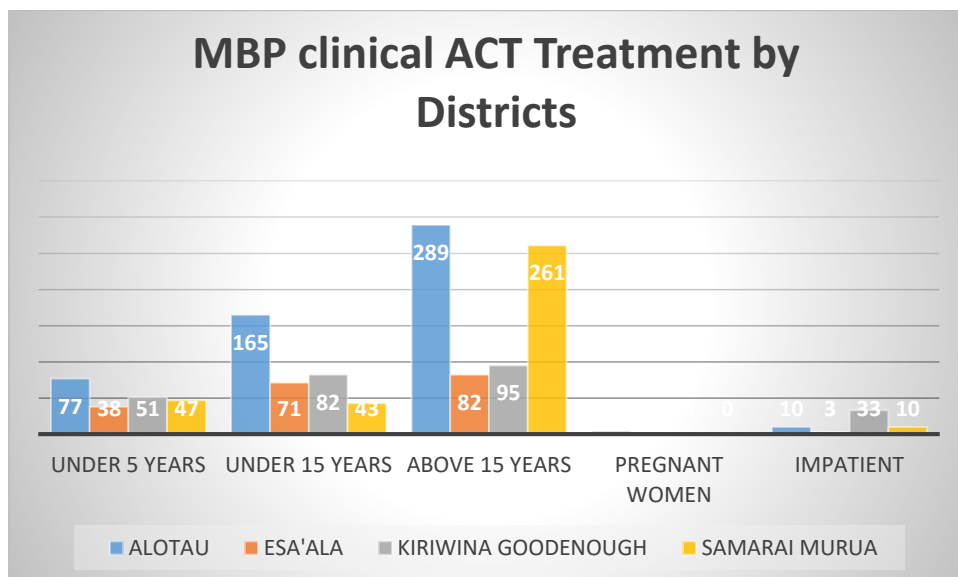
### MALARIA SITUATION PER DISTRICT

The following Graph shows ACT treatment of Malaria by mRDT test and clinical diagnosis. It shows the age groups in the four different districts in Milne Bay from January to May 2024.

**This graph shows ACT treatment administered with positive mRDT tests per District**



**This graph shows ACT treatment administered with clinical diagnosis per District**





## ROTARIANS AGAINST MALARIA

### KIRIWINA/GOODENOUGH DISTRICT

This district in Milne Bay province is made up of the Kiriwina group of islands and Goodenough is itself. There are five health facilities on Kiriwina and four on Goodenough island.

Trobrian Islands are a remote group of islands where delivery of health services has become inconsistent. The Trobrian Islands is a group of archipelago of coral islands which is 450 square kilometers. There are about 12 000 people living in the area. Kilivila is the local dialect spoke

The group of islands is made up of four big islands which are Kitava Vakuta, Kaileuna and Kiriwina where Kiriwina is the largest with a land mass of 42 000 squared kilometers.

In 2018 there was a Mass Drug Administration (MDA) on the islands. The importance of MDA is the comprehensive treatment of asymptomatic parasite carriers who silently sustain transmission in endemic populations. From 2018 onwards Kiriwina health centers reported less cases however there has been an increase in cases since 2022. The increase in cases reported were due to import cases (betelnut traders). Due to no proper surveillance we are seeing an increase in cases from Kaduaga CHP.

The Trobrian Islands have two Community Health Posts that are Kaduaga and Sinaketa that are not on RAM logistic drug Distribution Health Facility listing however, the RAM team on ground have been supplying malaria drugs to these community health posts.

The Trobrian Islands have an Area HEO that compiles all monthly reports then submits on the NHIS. To PHIO. Omarakana health center (*black triangle FIG 1*) is closed however the data from Aid post are compiled and submitted under this facility. Malaria Registers from aid post reporting under Omarakana do not reach PMS so we record as close. Delay in reports is also a concern.

The Goodenough Islands has 4 health facilities and a HHM trained Community Malaria volunteers (CMV) in all these facility catchments. The involvement of CMV has provided early detection and treatment of malaria. Results show a reduced work load on health center staff and the death toll has reduced in this district this year compared to previous years.

The provincial Malaria Supervisor in quarter two visited this district with 100 percent coverage. There were no stock outs in these health facilities.



## ROTARIANS AGAINST MALARIA

Below is a summary of Q2 visit by Provincial Malaria Supervisor on this two islands.

No	PROVINCE	DISTRICT	HEALTH CENTRE	Quarter 2 visit	Accessibility/Drug Supply	Stock Card Maintanance	NHIS reoprts
1	MILNE BAY	KIRIWINA GOODENOUGH	BOLUBOLU HC	04.06.24	Accessible/Q2 drugs received	can improve	timely
2	MILNE BAY	KIRIWINA GOODENOUGH	KITAVA SC	05.06.24	Accessible/Q2 drugs received	can improve	can improve on timely reporting
3	MILNE BAY	KIRIWINA GOODENOUGH	LOSUIA HC	06.06.24	Accessible/Q2 drugs received	can improve	can improve on timely reporting
4	MILNE BAY	KIRIWINA GOODENOUGH	MORATAU SC	03.06.24	Accessible/Q2 drugs received	can improve	can improve on timely reporting
5	MILNE BAY	KIRIWINA GOODENOUGH	OMARAKANA SC	Closed	Accessible/Q2 drugs received	closed	reports from Aidpost
6	MILNE BAY	KIRIWINA GOODENOUGH	WAILAGI SC	03.06.24	Accessible/Q2 drugs received	can improve	timely
7	MILNE BAY	KIRIWINA GOODENOUGH	WATULUMA HC	03.06.24	Accessible/Q2 drugs received	can improve	timely
8	MILNE BAY	KIRIWINA GOODENOUGH	SINAKETA CHP	07.06.24	Accessible/Q2 drugs received	can improve	can improve on timely reporting
9	MILNE BAY	KIRIWINA GOODENOUGH	KADUWAGA CHP	07.06.24	Accessible/Q2 drugs received	can improve	can improve on timely reporting

### SAMARAI/MURUA DISTRICT

Samarai Murua District is one of the four Districts in MBP. This District is geographically separated by a large mass of ocean. This District is hard to reach when the waters are rough.

In regards to reporting there is still a major setback from Misima hospital and Guasopa health centers. The church run facilities this is Nimoa, Jinjo, Panaeati and Sidea reports are timely and there is decline or no clinical diagnosis from these health centers. LLIN ANC nets are not coming in time as required. Most clinical cases or clinical diagnosis come from Aid post.

The HMM programme has community malaria volunteers on Sidea and Basilaki Islands of Sidea health center catchment. Community Malaria Volunteers (CMVs) that assist in early diagnosis and treatment. The area HEO and staff are very supportive in the HMM program to Archive KRA 1 of National Health Plan.

**Table 1: Quarter 2 health Centre visit.**

No	PROVINCE	DISTRICT	HEALTH CENTRE	QUARTER 2 visit	Accessibility /Drug Supply
1	MILNE BAY	SAMARAI MURUA	BWAGAOIA HC	Not Visited	Accessible by boat /Freighted drugs
2	MILNE BAY	SAMARAI MURUA	GUASOPA HC	Not Visited	Accessible by boat /Freighted drugs
3	MILNE BAY	SAMARAI MURUA	JINJO SC	Not Visited	Accessible by boat /Freighted drugs
4	MILNE BAY	SAMARAI MURUA	KWARAIWA SC	Not Visited	Accessible by boat /Freighted drugs
5	MILNE BAY	SAMARAI MURUA	NIMOA SC	Not Visited	Accessible by boat /Freighted drugs
6	MILNE BAY	SAMARAI MURUA	PANAEATI SC	Not visited	Accessible by boat /Freighted drugs
7	MILNE BAY	SAMARAI MURUA	SAMARAI HC	15.05.24	Accessible by boat
8	MILNE BAY	SAMARAI MURUA	SIDEIA SC	29.04.24	accessible by boat

## ESA'ALA DISTRICT

Esa'ala District is an accessible area that covers 10 health centers on Normanby and Ferguson Islands.

There are three government run H/C while nine centers are run by church agencies. Esa'ala district health centers staff have been very well vast with Malaria Treatment Management. Clinical case have become minimal. NHIS report are coming in on time which is a very encouraging outcome.

The table below shows Quarter 2 Supervisory Visits to Esa'ala District

No	PROVINCE	DISTRICT	HEALTH CENTRE	Quarter 2 visit	Accessibility/Drug Supply	Stock Card Maintenance	NHIS report
1	MILNE BAY	ESA'ALA	BASIMA SC	01.06.24	Accessible/Q2 drugs received	well kept	Timely
2	MILNE BAY	ESA'ALA	BUDOYA SC	31.06.24	Accessible/Q2 drugs received	well kept	Timely
3	MILNE BAY	ESA'ALA	ESA'ALA HC	02.06.24	Accessible/Q2 drugs received	well kept	Timely
4	MILNE BAY	ESA'ALA	GULEGULEU SC	Not visited	Accessible/Q2 drugs received	well kept	Timely
5	MILNE BAY	ESA'ALA	KALOKALO SC	02.06.24	Accessible/Q2 drugs received	well kept	Timely



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6	MILNE BAY	ESA'ALA	KURADA SC	30.05.24	Accessible/Q2 drugs received	well kept	Timely
7	MILNE BAY	ESA'ALA	MAPAMOIWA SC	02.06.24	Accessible/Q2 drugs received	well kept	Timely
8	MILNE BAY	ESA'ALA	SALAMO SC	31.05.24	Accessible/Q2 drugs received	well kept	Timely
9	MILNE BAY	ESA'ALA	SEHULEA HC	21.05.24	Accessible/Q2 drugs received	well kept	Timely
10	MILNE BAY	ESA'ALA	ULISALOLO SC	01.06.24	Accessible/Q2 drugs received	well kept	Timely

The only health center that was not visited was Guleguleu due to bad weather.

### ALOTAU DISTRICT

Alotau District is located on the main land of Milne bay province. It has 17 health facilities including one general hospital. Pumani, Ikara and Agaun health centers are inaccessible due to the its remoteness that is they are situated on the mountains of the Owen Stanley range.

Not all health centers are accessible by road, Dogura, Rabaraba and Tarakwaruru are reached by Dinghy from Awaiama. Alotau District has HMM malaria volunteers in five health center catchment. HMMO does supervisory visits on Quarterly basis needs to hold refresher training for these CMVs. Mobilization of Community Malaria Volunteers was conducted at Rabaraba in 2023.

This district has many issues that need to be ironed out. These are some issues that can be improved during our visit.

#### Alotau District Quarter 2 Supervisory Visit 2024

No	PROVINCE	DISTRICT	HEALTH CENTRE	Quarter 2 visit	Accessibility/Drug supply	STOCK Card Maintenance	NHIS reports
1	MILNE BAY	ALOTAU	Agaun HC	Not visited	Inaccessible Drugs not issued as Q1 Supplies still sufficient	Not visited	can improve to report timely
2	MILNE BAY	ALOTAU	ALOTAU HOSPITAL	24.04.24	accessible/Q2 drugs supplied	using Msupply	not timely
3	MILNE BAY	ALOTAU	ALOTAU UC (Goilanai)	14.05.24	accessible/Q2 drugs supplied	kept updated	timely
4	MILNE BAY	ALOTAU	BUBULETA CHP	01.05.24	accessible/Q2 drugs supplied	kept updated	timely

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5	MILNE BAY	ALOTAU	DAIO H/C	08.05.24	accessible/Q2 drugs supplied	can improve	timely
6	MILNE BAY	ALOTAU	DOGURA HC	04.05.24	accessible/Q2 drugs supplied	kept updated	timely
7	MILNE BAY	ALOTAU	EAST CAPE SC	07.06.24	accessible/Q2 drugs supplied	can improve	timely
8	MILNE BAY	ALOTAU	FIFE BAY SC	Not visited	accessible/Q2 drugs supplied received by officer	needs improving	can improve to report timely
9	MILNE BAY	ALOTAU	GARUAHI SC	05.05.24	accessible/Q2 drugs supplied	can improve	timely
10	MILNE BAY	ALOTAU	GURNEY SC	07.04.24	accessible/Q2 drugs supplied	can improve	can improve to report timely
11	MILNE BAY	ALOTAU	IKARA SC	Not visited	inaccessible/Q2 drugs picked up by officer	needs improving	can improve to report timely
12	MILNE BAY	ALOTAU	NUBE SC	30.04.24	accessible/Q2 drugs supplied	Very well kept	timely
13	MILNE BAY	ALOTAU	PUMANI SC	Not visited	inaccessible/Q2 drugs supplied	needs improving	can improve to report timely
14	MILNE BAY	ALOTAU	RABARABA HC	04.05.24	accessible/Q2 drugs supplied	can improve	timely
15	MILNE BAY	ALOTAU	SAGARAI SC (Ho'owalai AP)	08.05.24	accessible/Q2 drugs supplied	can improve	timely
16	MILNE BAY	ALOTAU	SUAU SC (Iloilo AP)	15.04.24	accessible/Q2 drugs supplied	can improve	timely
17	MILNE BAY	ALOTAU	TARAKWARURU SC	04.05.24	accessible/Q2 drugs supplied	can improve	timely

### LLIN Antenatal Nets and Drug Supply

RAM procures and distribute LLIN mosquito nets as one of its goals in Malaria prevention. LLIN mosquito nets are issued to pregnant women who report to health centers for Antenatal care. During this first six months the RAM team in MBP have distributed a total of 2500 net to health facilities throughout the province. Receipts collected were 1 436 from January to May. Three hundred and thirty-nine (393) receipts were from previous year 2023 Stock on hand is 1500 nets at PHA.

Quarter two drug supply from Logistics team was

ITEMS	QUANTITY	Source of Funding	COMMENTS
RDTs	4061 BOXES(25s)	Global Fund	GOOD
ACT 6	40 BOXES(30s)	Global Fund	GOOD
ACT 12	40 BOXES(30s)	NDOH	GOOD
ACT 18	49 BOXES(30s)	NDOH	GOOD
ACT 24	132 BOXES(30s)	NDOH	GOOD
PRIMAQUINE 100s	1073 tablets	NDOH	GOOD

In Q2 we distributed Quarter one buffer RDTs from Q1 supply. Most health centers did not have shortage of ACT but primaquine was running out quickly.



*Two antimalarial at health center's that are not used to treat patients.*

### Assets

**Milne Bay Province has the following global fund procured assets in the province.**

- ❖ New land cruiser white (FAD 737) was taken on for a C service last month. Its next service millage is 2800km
- ❖ Old land cruiser Blue (BDW 155) went in for a major service in Q1 and was not used until last month when safety stickers were renewed. Current problems are the speedometer not working resulting in vehicle mileage not working
- ❖ HMMO motorbike to be transferred to Oro province
- ❖ Dinghy and 60hp engine in good condition not used

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**FAD 737 and HMM motorbike**

### Achievements

- ✓ Drug distribution and Quarter two health center have reach 80 percent coverage.
- ✓ LLIN ANC net receipts have improved accountability from 50 percent to 85 percent collected from health center's
- ✓ Stock card maintenance at health center level improved from 11.6 percent to 25 percent
- ✓ Correspondence with Health and Education department to conduct Malaria School Survey in Q4.

### Recommendation

1. In quarter 3 hold at least 4 CQI training in all 4 districts
2. Maintain vehicle log book all the time.
3. Advocate to improve stock cards records by health center staff
4. Advocate to improve accountability of Malaria commodities and LLIN ANC net receipts.
5. Continue onsite refresher training
6. Conduct Malaria School Survey in quarter 4 of 2024

### Milne bay Provincial Health Authority Support

MBPHA have being supportive to Rotarian against Malaria routine programs such a

- Assisting with Drivers
- Accompanying PHA staff and District Staff at each District during Quarterly visit
- Program vehicle are refill to assist in RAM activities
- MBPHA with Disease control purchase 136 packets of Primaquine to issue to Health Centre.
- Circular to all health Staff to stop Clinical Diagnosis.

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### Acknowledgements

RAM team in Milne bay would like to acknowledge the following

- ❖ Public Health Division Staff of MBPHA
- ❖ Vector control officer-MBPHA
- ❖ Disease Control Staff at provincial and District levels
- ❖ PHA drivers
- ❖ Area Medical Stores Staff (Norbert and Emma)
- ❖ All OICs and health center Staff
- ❖ RAM logistic Team
- ❖ RAM Partners and Finance Team
- ❖ PMS and HMMO
- ❖ FAMILY

### PHOTOGRAPHS



Visit to children's out-patient section with PHIO officer.

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Malaria drugs freighted for Misima



M&E officer visit to Ho'owalai HC-Q2