



Dengue-3 Outbreak in Republic of the Marshall Islands, June 25–Oct. 6, 2019

Situation Report Date: October 6, 2019



Outbreak Overview

Cases: To date there have been 662 dengue like illness of which 183 have been lab confirmed. This is outbreak week #21 in Ebeye and #9 in Majuro. No cases yet in outer atolls. Symptom and age profile of cases is typical for dengue fever. One death and one severe dengue patient evacuated out-of-country to date. .

Organization of Response: EpiNet team in Ebeye and the RMI national EpiNet teams were both activated on July 16, with daily meetings currently. Presidential Declaration of Health Emergency and activation of multi-ministry and NGO National Emergency Operations Center on August 6 with weekly meetings. RMI Dengue Response Plan finalized Aug 6. Weekly conference calls with technical assistance partners also being held.

Case Definitions (based on PPHSN):

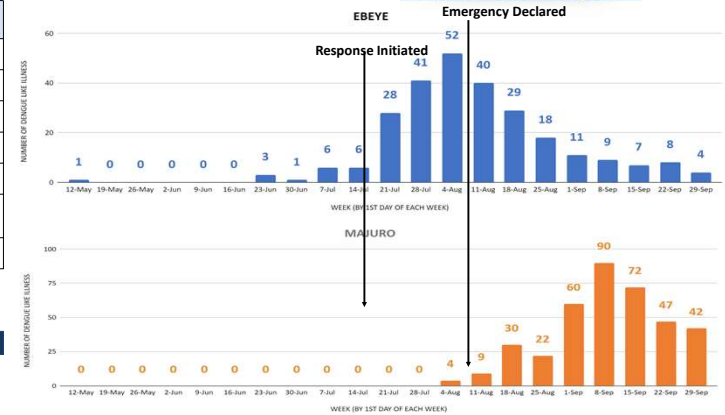
Suspected case: Acute fever > 2 days with **two or more** of the following: anorexia and nausea; aches and pains; rash; low white blood cell count; tourniquet test positive; warning signs (*abdominal pain or tenderness; persistent vomiting; mucosal bleeding; liver enlargement >2 cm; fluid accumulation; lethargy, restlessness; increase in hematocrit with decrease in platelets*).

Confirmed case: Suspected case with lab confirmation (+Rapid test (for NS1 or IgM) or +PCR test)

Summary of Cases

	Ebeye	Majuro	Outer Islands
# Dengue Like Illness cases	264	398	0
# New in Past 7 Days	7	55	0
# Hospitalized	137	64	0
# in Hosp Now	3	10	0
# Died	0	1	0
# NS1 or IgM+ (# Tested)	114 (168)	69(394)	0
# PCR+ (# Tested)	15 (17)	5 (11)	0

Cases (Suspect & Confirmed) by Week of Onset- Ebeye & Majuro



Response Summary*

Current Response Goals:

1) Slow spread in Ebeye and Majuro; & prevent spread to outer atolls, 2) Assure excellent clinical care to minimize deaths.

Surveillance:

- Surveillance system with daily updates in place for Ebeye and Majuro.

Community Engagement & Vector Control:

- Vigorous community engagement, ongoing with help from partners- Red Cross, WUTMI, Kalgov, Malgov. Ebeye complete for community clean-up and spraying of hospital, schools and churches. Community awareness by mass phone texts, radio, posters and public seminars.
- Vector Control: 54/54 churches completed; 22/22 schools completed in Majuro. As of Sept. 24, 59% of rainwater tanks (3500) repaired with screens.
- Health Education: 54/54/churches completed; 19/22 schools completed in Majuro
- Rain catchment tanks on Ebeye and Majuro not yet screened or treated (due to absence of screening materials & larvicide. Majuro: Trash and large item pickup completed in Ebeye and in about 1/2 of Majuro (from Rita-Rairok villages). Four Illegal dumps in Majuro found (but not yet addressed).

Clinical capacity:

- Dengue 101 clinical seminars completed in Ebeye: 100% of doctors & 100% clinical nurses and Majuro: 100% of doctors, 100% NPs, 100% triage & ward nurses. Fast track outpatient dengue clinic using NPs in Majuro Hospital was stopped in Week 8 due to decreasing number of Dengue Fever seen.
- Surge Capacity Team completed and passed the CDC DF Module Post Test week of Sept 16-23.
- Ebeye & Majuro fully functional for dengue care.

Preparation for outer atolls:

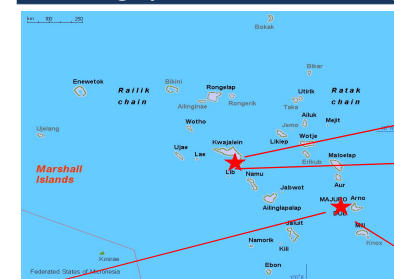
- Dengue 101 training to health assistants is still on going; Community cleanup initiated in 3 outer atolls but most still pending; Shipments of dengue-related supplies to go to some atolls this week.
- A total of 6 Health Assistants for Jabor Jaluit, Kaven Maleolap, Tokewa Mili, Wormej Wotje and 2 from Majuro were trained in DF, management of DF Category A, B, and C; Surveillance forms, Active Surveillance, and OI response plan for prevention of DF with the traditional and Govt leaders, Churches, NGOs, etc..
- Travel restrictions for Ebeye & Majuro → outer atolls in place since Aug 23.

Priority activities this week:

Continue screening of water tanks, Address illegal dumps & complete removal of large items, Accelerate Outer Atoll preparation, Institute community clean-ups

Upcoming activity: Fumigate the whole Majuro starting on the village with highest attack rate.

Geographic Distribution of Suspect Cases

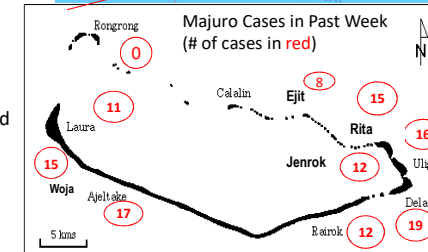


Attack Rates:
RMI overall=12.5/1000

Ebeye = 23.1/1000
(widespread all wetos)

Majuro = 15.0/1000

by Village:
Woja = 15/1,000
Ajeltake = 17/1000
Delap = 19/1000
Uluga = 16/1000
Rita = 15/1000
Jenrok = 12/1000
Ejit = 8/1000
Laura = 11/1000
Rairok = 12/1000
Rongrong = 0



Contact:

Francyne Wase-Jacklick, Deputy Secretary (wasejacklick@gmail.com)
Edlen Anzures- Data Officer (eanzures@gmail.com)

EpiNet Outbreak Team Members:

Ebeye: Dr Thein/Rivera, Allen Capelle, Dr. Jaquin Nasa, Rose Bobo, Mela Ratu;

Majuro: Dr. Helentina Garstang, Secretary Jack Niedenthal, Deputy Secretary Mailynn Konelios-Lang, Dr Tom Jack, Francyne Wase-Jacklick, Edlen Anzures, Paul Lalita, Linda Chutaro, Philmar Mendoza, Dr Robert Maddison

External Partners: RMIEPA, Director Moriana Phillip MalGov- Russell Langrine, WUTMI, WASH, NDMO

PIHOA: Dr Mark Durand