



Dengue-3 Outbreak in Republic of the Marshall Islands, June 25– Sept 29, 2019

Situation Report Date: Sept 29, 2019



Outbreak Overview

Cases: To date there have been 607 suspect cases of which 161 have been lab confirmed. This is outbreak week #20 in Ebeye and #8 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):

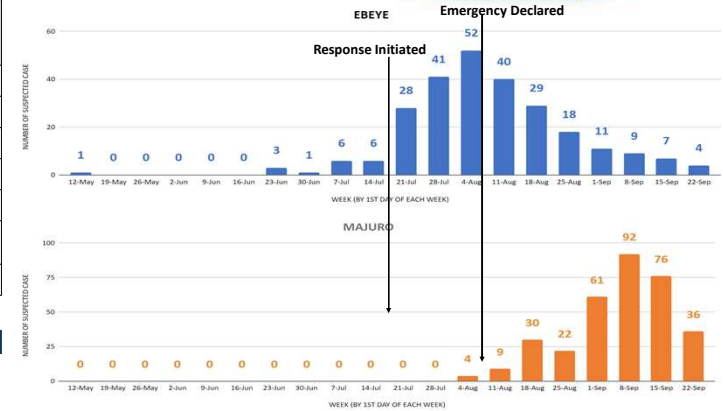
Suspected case: Acute fever > 2 days with **two or more** of the following: anorexia and nausea; aches and pains; rash; low white blood cell count; tourniquet test positive; warning signs (*abdominal pain or tenderness; persistent vomiting; mucosal bleeding; liver enlargement >2 cm; fluid accumulation; 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
# Suspected Cases	256	351	0
# New in Past 7 Days	7	44	0
# Hospitalized	126	52	0
# in Hosp Now	4	4	0
# Died	0	1	0
# NS1 or IgM+ (# Tested)	106 (160)	55(345)	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.

Highlights:

- 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
- 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 ½ 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 is open and dedicated dengue ward scheduled to open on Sept 16.
- Lab at Ebeye & Majuro fully functional for dengue care.

Preparation for outer atolls:

- Dengue 101 not yet delivered to health assistants; Community cleanup initiated in 3 outer atolls but most still pending; Shipments of dengue-related supplies to go to some atolls this week.
- Travel restrictions for Ebeye & Majuro → outer atolls in place since Aug 23.

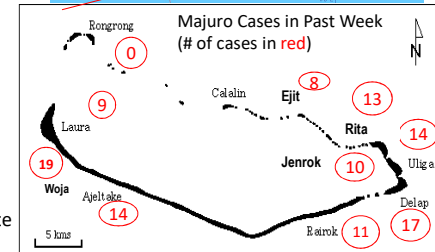
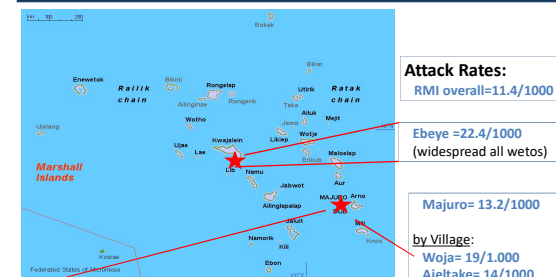
Dengue-related Inventory:

- Projected inventory gaps identified this week. MOHHS order not yet placed for projected gaps; Some items requested from regional partners (and are pending)

Priority activities this week:

Place inventory gaps orders; Begin treating rain catchment tanks (t/o RMI) as soon as supplies are in. Address Majuro dumps & complete removal of large items. Accelerate Outer Atoll preparation → Improve surveillance reporting, Deliver Dengue 101 to health assistants; Institute community clean-ups

Geographic Distribution of Suspect Cases



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: RMI-EPA, Director Moriana Phillip MalGov- Russell Langrine, WUTMI, WASH, NDMO

PIHOA: Dr Mark Durand