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)

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

Surveillance:
• 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 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 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.

Response Summary*

Summary of Cases

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<th>Ebeye</th>
<th>Majuro</th>
<th>Outer Islands</th>
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<tbody>
<tr>
<td>Dengue like illness cases</td>
<td>264</td>
<td>398</td>
<td>0</td>
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<tr>
<td>New in Past 7 Days</td>
<td>7</td>
<td>55</td>
<td>0</td>
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<tr>
<td>Hospitalized</td>
<td>137</td>
<td>64</td>
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<td>In Hosp Now</td>
<td>3</td>
<td>10</td>
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<td>Died</td>
<td>0</td>
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<tr>
<td>NS1 or IgM (8 Tested)</td>
<td>114</td>
<td>168</td>
<td>69/194</td>
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<tr>
<td>PCR+ (# Tested)</td>
<td>15(17)</td>
<td>5(11)</td>
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Cases (Suspect & Confirmed) by Week of Onset- Ebeye & Majuro

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<tr>
<th># Dengue Like Illness cases</th>
<th># New in Past 7 Days</th>
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Contact:
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EpiNet Outbreak Team Members:
Ebeye: Dr Thein/Rivera, Allen Capelle, Dr. Juaquin Nasa, Rose Bobo, Mela Ratu;
Majuro: Dr. Helentina Garstang, Secretary Jack Niedenthal, Deputy Secretary Mailynn Konelitos-Lang, Dr Tom Jack, Francyne Wase-Jacklick, Edilen 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