



Dengue-3 Outbreak in Republic of the Marshall Islands, June 25, 2019– March 7, 2021

Situation Report Date: March 8, 2021



Outbreak Overview

Cases: After the initial cases in Ebeye in May 2019 transmission occurred to Majuro and to Outer Islands when a travel ban was lifted in November 2019. **Transmission continues to decline in RMI with only 0-2 cases per week detected since December. With no new cases in last week it completes one incubation period without cases.** To date there have been **3,884 dengue like illness of which 1,987 have been lab confirmed.** Two deaths have occurred and one severe dengue patient evacuated out-of-country

Organization of Response:

- EpiNet teams activated on July 16, 2019
- Presidential Declaration of Health Emergency and activation of National Emergency Operations Center on August 6, 2019; Health Emergency Declaration reactivated in October 2020.

Case Definitions (based on PPHSN):

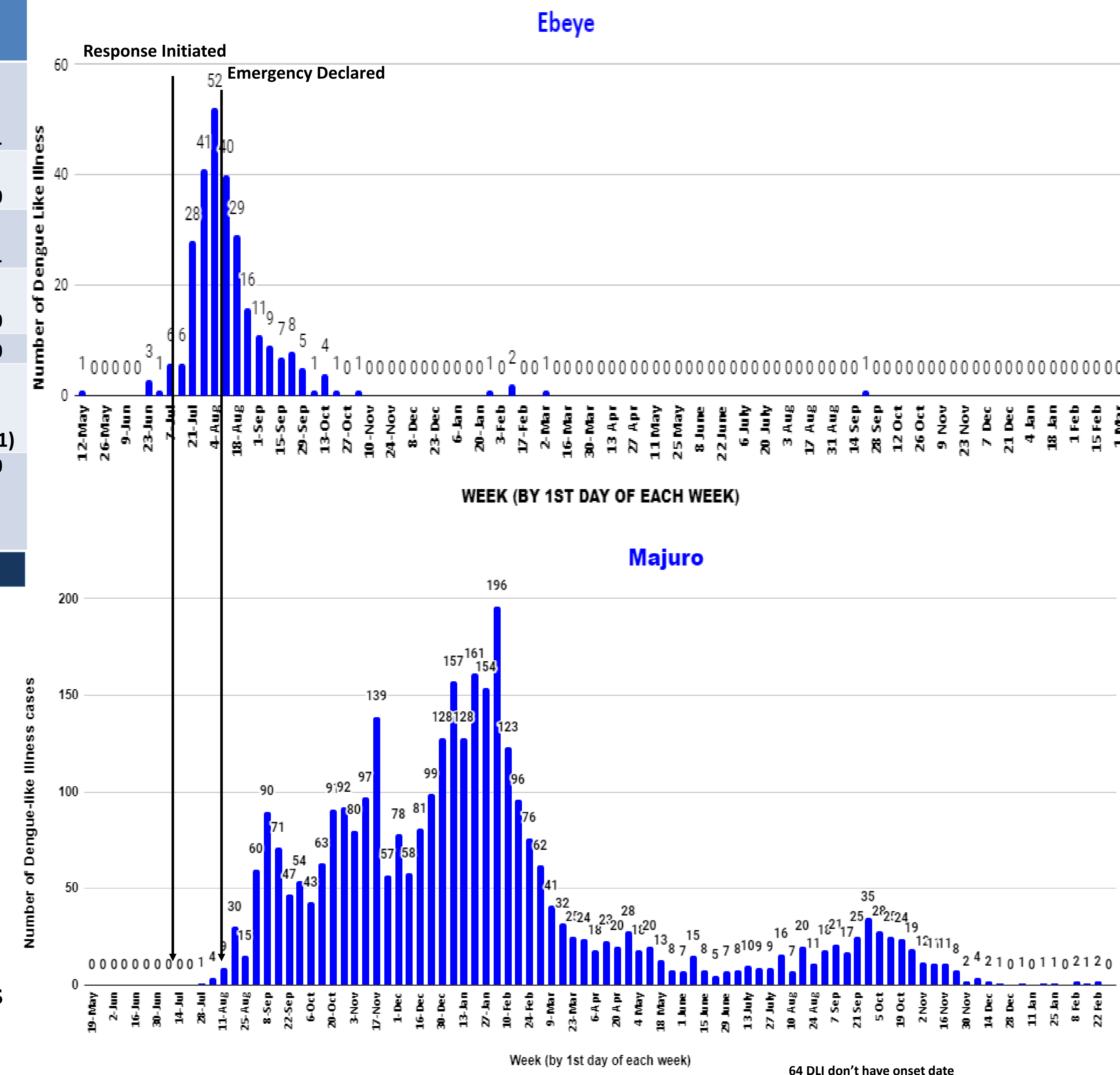
Probable case: Acute fever > 2 days with **two or more** of the following: anorexia and nausea; aches and pains; rash; low white blood cell count; tourniquet test positive; warning signs (*abdominal pain or tenderness; persistent vomiting; mucosal bleeding; liver enlargement; lethargy, restlessness; 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	Utrik	Aur	Maloelap	Mili	Ailing Lapla p	Wotj e	Arno	Nam u	Ene-weta k	Jaluit	Kili
# Dengue Like Illness cases	277	3401	42	34	2	9	9	1	58	3	12	30	1
# New in Past 7 Days	0	0	0	0	0	0	0	0	0	0	0	0	0
# Hospitalized	143	1,053	9	3	0	0	7	0	0	0	0	28	1
# in Hosp Now	0	0	0	0	0	0	0	0	0	0	0	0	0
# Died	0	1	0	0	0	0	0	0	1	0	0	0	0
# NS1 or IgM+ (# Tested)	131 (181)	1,716 (3401)	9 (13)	29 (32)	2 (2)	8 (8)	8 (9)	1 (1)	50 (54)	1 (3)	4 (12)	27 (29)	1(1)
# PCR+ (# Tested)	15 (17)	13 (23)	3 (3)	0 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0

Cases (Suspect & Confirmed) by Week of Onset



Response Summary*

Current Response Goals:

- 1) Slow spread in affected atolls; prevent spread to other outer atolls, 2) Assure excellent clinical care to minimize deaths, 3) Stop transmission entirely

Surveillance: Daily Active surveillance continues Majuro, Ebeye, and Outer islands.

Vector Surveillance and Control: Fumigation of houses of new cases in Majuro continues. Breeding site reduction and trapping activities continue.

Majuro: Cases continue decline with no case detected in the last week:

Travel Advisory: There is no current travel restriction from outer atolls/islands to/from Majuro and or Ebeye by sea and/or air

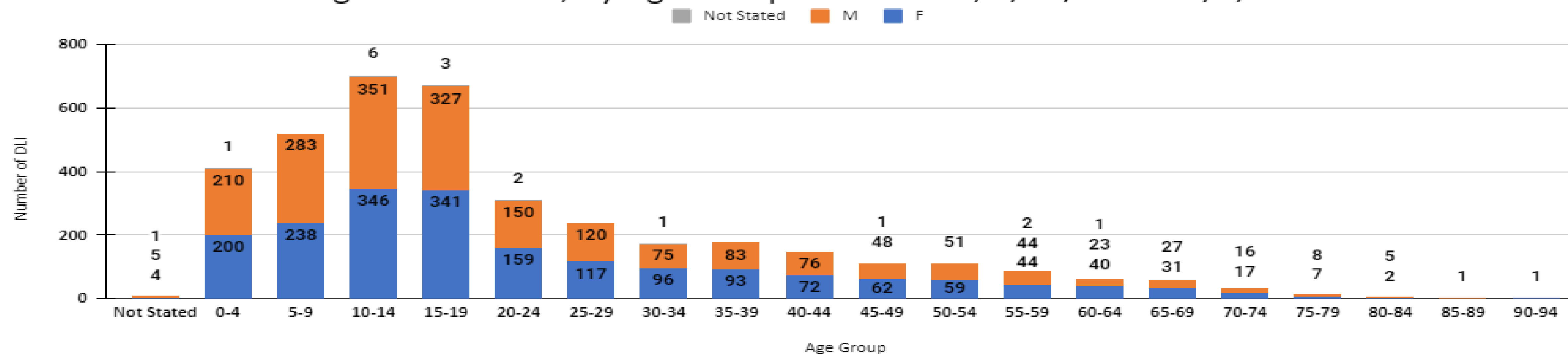
Outer Islands: PH and vector teams are dispatched as needed.

Health Education: Ongoing awareness via radio, text messages, MOHHS Facebook page and weekly newspaper; Mayors and village leaders have met with Public Health staff to assist with community awareness and participation.

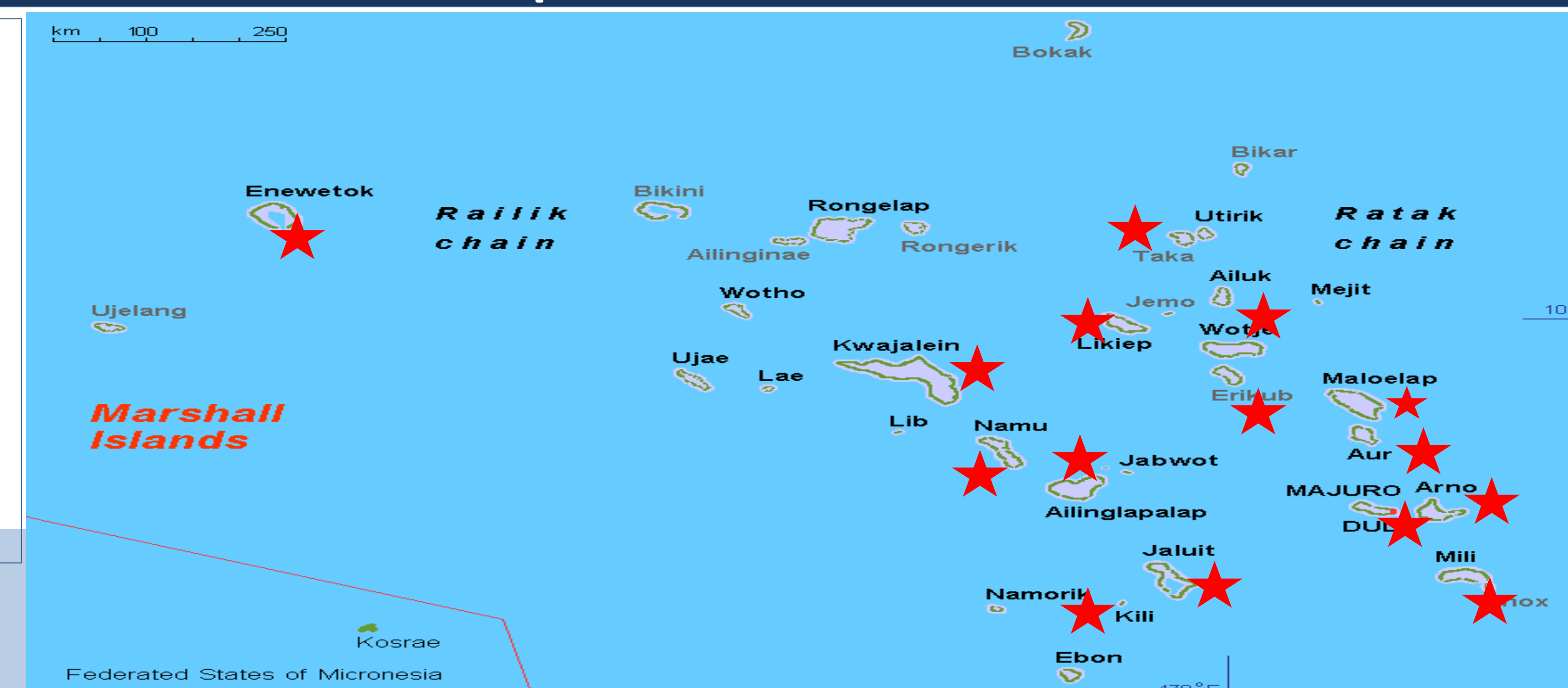
Prevention: Repellents and bednets are distributed through the Hospital Pharmacy to patients testing positive. WASH cluster is resuming meetings to work with MalGov and MAWC for community cleanup.

Geographic Distribution of Suspect Cases

RMI Dengue Like Illness, By Age Group and Gender, 5/22/2019 - 3/7/2021



Majuro= 128/1000
by Village:
Woja= 88/1000
Ajeltake= 75/1000
Delap= 174/1000
Ulga= 166/1000
Rita= 126/1000
Jenrok = 104/1000
Ejit = 39/1000
Laura = 47/1000
Rairok= 121/1000
Rongrong=403/1000



Attack Rates: RMI overall=73/1000

Jaluit = 17/1000	Enewetak = 18.5/1000
Ebeye =24.3/1000	Likiep = 23/1000
Aur =67.6/1000	Ailinglaplap = 5/1000
Arno=38.1/1000	Namu = 4.6/1000
Mili = 15/1000	Kili = 2/1000
Maloelap=2.9/1000	Utrik =183.4/1000
Wotje=1.1/1000	

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EpiNet Outbreak Team Members:

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Majuro: Secretary Jack Niedenthal, Deputy Secretary Mailyann Konelios-Lang, Deputy Secretary Francyne Wase-Jacklick, Edlen J. Anzures, Paul Lalita, Earlynta Chutaro, Dr. Robert Maddison, McGyver Takia, Jason Lalimo, Dr Frank Underwood.

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

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