



Zika in Kosrae, Federated States of Micronesia, 2016

Report date: May 7, 2016

Sitrep #4

Kosrae EpiNet Team

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Outbreak Overview

On March 15, 2015 Kosrae State was notified of its first confirmed case of Zika. Since Feb 2016 there have been 12 confirmed cases of Zika disease on Kosrae.

-Onset dates of first 3 confirmed cases: 02/23/2016, 03/19/2016, 3/19/2016. Ages (and sex): 49 (F), 7 (M), 37 (F with permanent contraception). None with a travel history.

-66 other suspect cases identified since enhanced Zika surveillance began on 02/10/2016 when Marshall Islands reported a confirmed case.

Case Definition

Suspect: Rash OR Fever AND any: retro-orbital pain, non-purulent conjunctivitis, body aches, edema, headache or malaise

Confirmed: Meets suspect case definition and positive lab test (PCR, IgM, serial IgG)

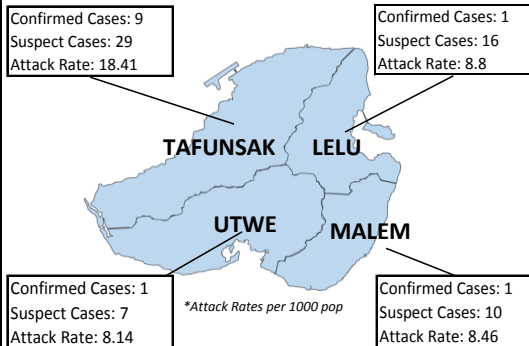
Laboratory Testing

All confirmatory testing has been done by the Hawaii State Public Health Laboratory. Since Feb 10, 2016:

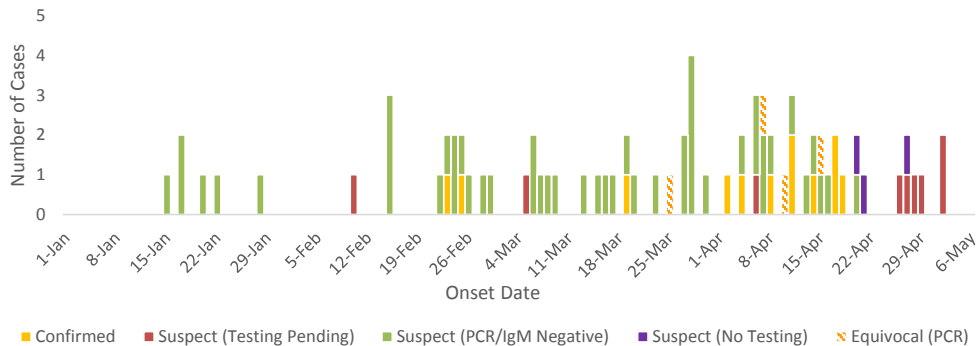
- 66 samples sent for testing
- 11 PCR positive for Zika • 4 PCR equivocal for Zika
- 1 IgM positive for Zika
- 0 of 1 suspect pregnant women lab positive for Zika

***An equivocal PCR test result falls outside of the range for positive results but needs further testing to classify the specimen.

Cases by Municipality



Cases by Date of Onset



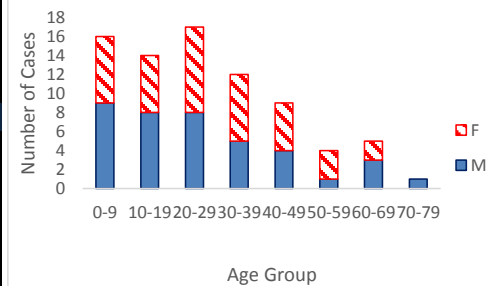
General Case Counts

Total Cases: 78	
Suspect Cases: 66	Confirmed Cases: 12
Median Age: 25.5 Yrs	Age Range: <1-75 Yrs
Percent Female: 50%	Pregnant Cases: 1

Response Measures

- EpiNet Team Activated with enhanced Surveillance
- Enhanced surveillance for Zika and Zika related outcomes at all clinics including OB/nursery
- Entomologic survey completed: main vectors *A. Albopictus* and *A. Egypti*
- Ongoing public awareness campaign (radio, posters, flyers) on: Zika awareness/prevention, Vector source reduction, Risks to unborn baby
- Zika Prevention Kits distributed to Pregnant Women (bednets, repellent, condoms)
- Vector control efforts ongoing including source reduction at case homes, public areas, and island-wide clean-up with assistance from island mayors and Department of Transportation and Infrastructure
- FSM Epidemiologist support continues
- MRC activated for municipalities public awareness/Health Ed, distributing Zika flyers, doing environmental inspections, and identifying any pregnant women w/o ANC
- Meetings and workshops with women groups will be convened

Cases by Age and Gender



Response Needs

- A hand-compression sprayer for residual spraying
- Carbon-copy paper for printing Zika surveillance forms
- Printing support for risk communication flyers, posters, and pamphlets
- Transportation costs & overtime compensation for field investigation, lab, and medical records staff
- Backup portable hard drive and rechargeable laptop computer for Medical
- Records to facilitate continuation of Zika surveillance during power outage
- Overpacks for laboratory to package specimens for shipping
- Shipping costs for Zika testing at off-island reference laboratory
- Bednets and repellent for distribution to suspected cases and pregnant women
- Replacement stock of insecticides and vector surveillance equipment
- Resources to fill sandmiming pits, remove abandoned cars, and cover open septic tanks around homes.
- Fuel and maintenance support for garbage trucks to transport trash from households to dump sites