



## Zika Virus & Dengue Fever

### Kosrae State, Federated States of Micronesia

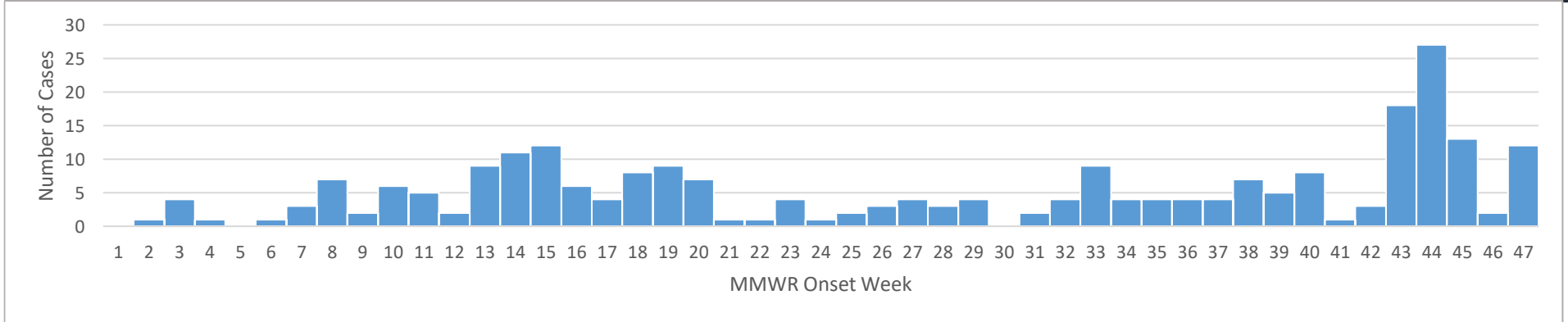
Report date: Nov 30, 2016  
Situation Report #15  
Kosrae EpiNet Team

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Zika and Dengue Outbreak Overview	Case Definition (updated)	General Case Counts												
<p>On March 15, 2016 Kosrae State was notified of its first confirmed case of Zika. Kosrae subsequently implemented routine Zika/Dengue/Chikungunya testing of all pregnant women. On October 21st, routine testing of pregnant women identified a simultaneous Dengue Fever outbreak in Kosrae. Since January 2016, there have been 248 Zika Virus and 98 Dengue Fever cases of Zika Virus disease in Kosrae. That includes 236 Zika Cases and 98 Dengue Cases with 35% of cases overlapping both Dengue and Zika case definitions. -Onset dates of the first 3 Zika confirmed (PCR+) cases: 02/23/2016, 03/17/2016, 3/19/2016. Onset dates of the first 3 Dengue confirmed (PCR+) cases: 08/11/2016, 08/25/2016, 9/20/2016. Ages (and sex): 49, 8, 37, 18, 35, 25, respectively (all females). None with a travel history.</p>	<p><b>Suspect Zika:</b> Rash AND/OR Fever AND any: retro-orbital pain, arthritis, non-purulent conjunctivitis, red eyes, body aches, edema, headache or malaise</p> <p><b>Suspect Dengue:</b> Fever and two (2) of the following: anorexia and nausea, rash, aches and pains, warning signs, or Leukopenia (WBC&lt;4000/mL). Warning signs: abdominal pain, vomiting, mucosal bleed/petechiae, lethargy, clinical fluid accumulation, enlarged liver</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Total Zika and Dengue Cases: 248</td> <td>Median Age: 23 Yrs</td> </tr> <tr> <td>Total Zika Cases: 236</td> <td>Age Range: &lt;1-77 Yrs</td> </tr> <tr> <td>Total Dengue Cases: 98</td> <td>Percent Female: 63%</td> </tr> <tr> <td>% overlap in Zika/Dengue case definitions: 35% cases</td> <td>Pregnant Zika/Dengue Cases: 30%</td> </tr> <tr> <td># Cases with symptom onset &lt;14 days: 11</td> <td>Pregnant Zika Cases: 35%</td> </tr> <tr> <td># Cases with symptom onset &lt;30 days: 49</td> <td></td> </tr> </table> <p><b>***Laboratory data is under revision and will be reported in the next situation report.</b></p>	Total Zika and Dengue Cases: 248	Median Age: 23 Yrs	Total Zika Cases: 236	Age Range: <1-77 Yrs	Total Dengue Cases: 98	Percent Female: 63%	% overlap in Zika/Dengue case definitions: 35% cases	Pregnant Zika/Dengue Cases: 30%	# Cases with symptom onset <14 days: 11	Pregnant Zika Cases: 35%	# Cases with symptom onset <30 days: 49	
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### Zika and Dengue Cases by Week of Onset



Zika/Dengue Cases by Municipality	Zika/Dengue Cases by Age and Sex	Zika/Dengue Symptom Profile																																															
	<table border="1"> <caption>Approximate data for Zika/Dengue Cases by Age and Sex</caption> <thead> <tr> <th>Age Group</th> <th>Female (F)</th> <th>Male (M)</th> </tr> </thead> <tbody> <tr><td>0-9</td><td>13</td><td>20</td></tr> <tr><td>10-19</td><td>35</td><td>32</td></tr> <tr><td>20-29</td><td>41</td><td>19</td></tr> <tr><td>30-39</td><td>25</td><td>17</td></tr> <tr><td>40-49</td><td>12</td><td>7</td></tr> <tr><td>50-59</td><td>8</td><td>4</td></tr> <tr><td>60-69</td><td>5</td><td>6</td></tr> <tr><td>70-79</td><td>1</td><td>2</td></tr> </tbody> </table>	Age Group	Female (F)	Male (M)	0-9	13	20	10-19	35	32	20-29	41	19	30-39	25	17	40-49	12	7	50-59	8	4	60-69	5	6	70-79	1	2	<table border="1"> <caption>Approximate data for Zika/Dengue Symptom Profile</caption> <thead> <tr> <th>Symptom</th> <th>Number of Cases</th> </tr> </thead> <tbody> <tr><td>ACHES</td><td>150</td></tr> <tr><td>MALAISE/HEADACHE</td><td>80</td></tr> <tr><td>RASH</td><td>60</td></tr> <tr><td>DENGUE WARNING SIGNS</td><td>50</td></tr> <tr><td>ANOREXIA</td><td>40</td></tr> <tr><td>NAUSEA</td><td>40</td></tr> <tr><td>CONJUNCTIVITIS/ RED EYES</td><td>20</td></tr> <tr><td>PAIN BEHIND EYES</td><td>10</td></tr> <tr><td>EDEMA IN HAND/FOOT</td><td>5</td></tr> </tbody> </table>	Symptom	Number of Cases	ACHES	150	MALAISE/HEADACHE	80	RASH	60	DENGUE WARNING SIGNS	50	ANOREXIA	40	NAUSEA	40	CONJUNCTIVITIS/ RED EYES	20	PAIN BEHIND EYES	10	EDEMA IN HAND/FOOT	5
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