

## ESR Surveillance Report – DENGUE Outbreak

**Wednesday, 20.11.2019**

### 1. Dengue cases notified to ESR

Outcome	Confirmed DENV-1	Confirmed DENV-2	Probable	Total	Admitted	Total admitted and discharged
Rarotonga	35	2	79	116	0	44
Aitutaki	3	1	0	4	0	4
Other Pa Enea	0	0	0	0	0	0
<b>Total</b>	<b>38</b>	<b>3</b>	<b>79</b>	<b>120</b>	<b>0</b>	<b>48</b>
<b>Age Range</b>	3 years to 79 years					

\* Note: First confirmed DENV-1 case was a German visitor who arrived from French Polynesia

### 2. Mosquito Larvae\* Surveillance

	Sites checked today	No. of traps checked	No. of traps with larvae	Other breeding sites	Species identified			Remarks
					<i>Aedes poly</i>	<i>Aedes aegypti</i>	<i>Culex</i>	
1	<b>Rarotonga: Mosquito Surveillance: 18/11/2019</b>							
	Hospital	0	0	0	-	-	-	No surveillance
	Avatiu Extension	10	2	0	yes	yes	no	Traps at; Pandanus, and old laundry
	Airport	44	4	0	yes	yes	no	Traps at: Toa tree@ Arrival terminal; Exit Gate; South gate#2; Rufina's(behind airport)
	Punanga Nui Market	20	3	0	yes	yes	no	Traps(extension) at; Catholic church, St Joseph Hall, Intersection
	Avarua Wharf	10	2	0	yes	yes	no	Traps at Vaka Eiva, and Justice Dept.
from Vector Control Surveillance Team								

\* *Aedes* mosquito species transmits the Dengue, Zika, and Chikungunya virus. *Culex* mosquito species are also known to transmit other vector-borne diseases.

### 3. Risk assessment, Key Delta Aqua\* Spray, VectoBac \*\* Larvacidal application

Risk Assessment	18.11.2019		
Peri-focal spraying.	RAROTONGA	AITUTAKI	Remarks
Morning: 5am	0	0	Risk assessment = Muri area Peri-focal spraying: - 1 x Suspected case with IgG+ reported on Monday, and those (x2) due for 3 <sup>rd</sup> application.
Afternoon: 5pm-7pm	yes	0	
Larvacidal application	0	0	
<b>Spray Teams</b>	1. Maru & team. 2. Nelson & team		

\* Deltamethrin spraying – peri-focal up to 400m radius from case's home, \*\*VectoBac *Bacillus thuringiensis israelensis* (BTI)