

ESR Surveillance Report – DENGUE (DENV-1)

Tuesday, 08.10.2019

1. Dengue cases notified to ESR

Outcome	Confirmed	Probable	Total	Suspected	Admitted	Total admitted and discharged
Rarotonga	19	76	95	0	0	43
Aitutaki	3	0	3	0	0	3
Other Pa Enea	0	0	0	0	0	0
Total	22	76	98		0	46
Age Range	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/ Adult mosq.	Other breeding sites	Species identified			Remarks	
					Aedes poly	Aedes aegypti	Culex		
1	Hospital	0						No mosquito surveillance due to risk assessments at the areas to be sprayed the next morning, at the same time pre warn the residents	
2	Airport, PNM, Wharf	0							
1	Aitutaki hospital (adult mosq. trap)	1	1		6	0	>20	1 trap laid at the airport, and, sorting appropriate areas with power source at the wharf, and the schools.	
2	Aitutaki (larva traps)	4 sites checked - all with larvae (culex) found							Traps from Airport, Golf course, Orongo, and wharf
Team: Len & Mataiti									

* *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			Remarks
Peri-focal spraying.	RAROTONGA	AITUTAKI	
Morning: 8am	yes	0	Block spraying continues in the early morning: 4.30am to 7.30am
Afternoon: 5pm-7pm	0	0	
Larvacidal application	0	0	
Spray Team	Health Protection officers x 4 teams		

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