

ESR Surveillance Report – DENGUE (DENV-1)

Wednesday, 07.08.2019

1. Dengue cases notified to ESR

Outcome	Confirmed	Probable	Total	Suspected	Admitted today	Total admitted and discharged
Rarotonga	19	56	75	0	0	39
Aitutaki	3	0	3	0	0	3
Other Pa Enea	0	0	0	0	0	0
Total	22	56	78	0	0	42
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	5	2 adult traps	# 3 trap # 5 trap	yes yes	yes yes	0 0	- Maintenance office - Med-ward basement
2	Airport							Both mosquitoes and daddy-long legs caught in the trap
	Airport	44	1		0	1	0	Trap at Raro Freight
3	Punanga Nui							Not checked due to rain
4	Avatiu wharf							
5	Avatiu extension							
6	Avarua wharf							

Team: Airport & Hospital: Maru, Nelson, Mexico

Aitutaki: Len. Five sites checked today, all with mosquito larvae found

* *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			
Peri-focal spraying.	RAROTONGA	AITUTAKI	Remarks
Morning: 8am	0	0	No spraying
Afternoon: 5pm-7pm	0	0	
Larvacidal application	0	0	
Spray Team			

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