

ESR Surveillance Report – DENGUE (DENV-1)

Monday, 19.08.2019

1. Dengue cases notified to ESR

Outcome	Confirmed	Probable	Total	Suspected	Admitted today	Total admitted and discharged
Rarotonga	19	59	78	0	0	39
Aitutaki	3	0	3	0	0	3
Other Pa Enea	0	0	0	0	0	0
Total	22	59	81	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	10+ 05	0 0	- Maintenance office - Med-ward basement
2	Airport							
	Airport	44	5		1	3	1	Traps at Raro Freight; solar panel; pond; Raro rentals; Turamatuitui
3	Punanga Nui							Not checked due to rain
4	Avatiu wharf							
5	Avatiu extension							
6	Avarua wharf							

Team: Airport & Hospital: Nelson & Muraai

Aitutaki: Mataiti: Five sites checked and 3 sites with larvae found – Hospital, Airport, Harbour

* *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	Peri-focal spraying – on 09.08.2019, and 15.05.2019 for two cases
Afternoon: 5pm-7pm	yes	0	
Larvacidal application	0	0	One new case today – spraying, when weather is fine.
Spray Team	Maru, Chris, Nelson, Henry, Mexico		

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