

ESR Surveillance Report – DENGUE (DENV-1)

Tuesday, 30.07.2019

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	0 0	0 0	0 0	- Maintenance office - Med-ward basement
2	Airport	1						No mosquitoes – other insects (daddy-long leg) caught in the trap
	Airport	44	1		0	1	0	Trap at Raro Freight
3	Punanga Nui	18	1		1	0	0	1 trap outside PNM. 2 traps missing
4	Avatiu wharf	20	1		1	0	0	Trap behind Taio office
5	Avatiu extension	10	1		1	0	0	Trap at Mormon church -tree
6	Avarua wharf	10	0		0	0	0	1 missing trap

Team: Airport & Hospital: Maru & team. **Wharves & extensions:** Nelson & team

Aitutaki:

* *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	RAROTONGA		AITUTAKI	Remarks
Peri-focal spraying.				
Morning: 8am	25.07.2019		0	25.07.2019: Spraying - Case in Pokoinu - 5 hostels – (Mangaia, Rakahanga, Manihiki, Mauke, Mitiaro)
Afternoon: 5pm-7pm	no		0	
Larvacidal application	0		0	
Spray Team	Nelson, Chris, Mexico, Maru, Papa			

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