

ESR Surveillance Report – DENGUE (DENV-1)

Wednesday, 24.07.2019

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	17 22	36 08	0 0	- Maintenance office - Med-ward basement
2	Airport	1	0					No mosquito
	Airport	44	2		0	2	0	Traps at Raro freight and Anderson workshop
3	Punanga Nui	14	3		0	3	0	2 trap outside PNM. 6 traps missing
4	Avatiu wharf	20	1		0	1	0	Trap at Marines again
5	Avatiu extension	10	1		0	1	0	Trap at old laundry
6	Avarua wharf	9	1		0	0	0	2 missing traps

Team: Airport & Hospital: Maru, Charlie. **PunangaNui, Wharves & extensions:** Nelson, Papa, Chris

Aitutaki: No surveillance

* *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	23.07.2019	0	Block spraying: Tuesday 23.07.2019 - Area from Sinai Hall to the Auditorium. & Three, 2 nd dose applications
Afternoon: 5pm-7pm	23.07.2019	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)