

Denque-1 Outbreak, Cook Islands. Situation Report # 7: ending 30 November 2019.
Reporting Date: 06 December 2019

Outbreak Overview	Case Distribution by Islands	Cases by month: January 2019 to November 2019																				
<ul style="list-style-type: none"> On the 27th of February 2019 an outbreak of Dengue type-1 was declared in the Cook Islands following the confirmation of seven (7) cases. In October of this year, dengue virus type-2 was confirmed by LabPlus NZ in three (3) tourists, with travel history to French Polynesia. The first two cases were already sick before arriving to Rarotonga, and the third case presented with dengue symptoms while holidaying in Aitutaki. From 28 January 2019 to 30 November 2019, a total of 120 cases were recorded, including confirmed and probable cases. Seven (7) new cases (5 x DENV-1, 2 x Probable) were reported in the month of November, a drop from 20 cases reported in October 2019. A total of 48 cases have been hospitalised and discharged since the beginning of the outbreak There have been no deaths attributed to dengue infection. Case definition used: Fever, with one or more of the following; nausea/vomiting, rash, aches and pains (e.g. headache, retro-orbital pain (eye pain), joint pain, myalgia, and arthralgia). 																						
<p>Public Health Responses</p> <p>Vector control intervention program is ongoing which includes;</p> <ul style="list-style-type: none"> Mosquito larvae/adult trapping at high risk areas Peri-focal spraying with 3 applications at recent cases' properties and nearby surroundings. Larvicidal application at swampy areas, as well as mosquito breeding places identified during the "Tutaka" <p>The final Tutaka, house to house inspection and risk assessment for this year was conducted in the last week of November. Follow up inspections are continuing for non-compliance properties.</p> <p>Public Awareness: reminder to keep home and workplace clean; protection from mosquito bites, and see doctor immediately if not feeling well.</p>	<p>Summary of cases by Islands as of 30 November 2019</p> <table border="1"> <thead> <tr> <th>Outcome</th> <th>Confirmed DENV-1</th> <th>Confirmed DENV-2</th> <th>Probable NS1Ag+</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Rarotonga</td> <td>35</td> <td>2</td> <td>79</td> <td>116</td> </tr> <tr> <td>Aitutaki</td> <td>3</td> <td>1</td> <td>0</td> <td>4</td> </tr> <tr> <td>TOTAL</td> <td>38</td> <td>3</td> <td>79</td> <td>120</td> </tr> </tbody> </table> <p>No cases reported from the rest of the outer islands.</p>	Outcome	Confirmed DENV-1	Confirmed DENV-2	Probable NS1Ag+	Total	Rarotonga	35	2	79	116	Aitutaki	3	1	0	4	TOTAL	38	3	79	120	<p>Demographics: Cases by Age-group</p> <p>Age range: 3 to 79 years old Mean age: 35 years. Female to male ratio: 1:1.4</p>
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