

Status of vector surveillance and control capacity in Pacific Island Countries and areas

This document provides a summary of key results from Vector Control Needs Assessments (VCNA) conducted by participating Pacific Island Countries and areas in 2021 and 2024 with the support of the PacMOSSI consortium. This summary was prepared by the PacMOSSI consortium based on information provided in VCNA online surveys and follow up with country focal points. For further information, see www.pacmossi.org or contact pacmossi@jcu.edu.au

Vector surveillance and control key indicators 2021														
Pacific Island Countries and areas	Dengue transmission status in previous year	Malaria transmission status in previous year	National strategic <i>Aedes</i> control response plan status	National strategic <i>Anopheles</i> control response plan status	Vector surveillance or control included in national budget	Proportion of required national vector staff in place	Vector staff received training in previous 3 years	Entomological data is used to guide vector control decisions	Mosquito surveillance conducted in previous 3 years	Mosquito insecticide resistance monitoring in previous 3 years	Any vector control activities routinely or seasonally	Any vector control activities for outbreak response	Community members engaged for mosquito surveillance or control in previous 3 years	Inter-ministerial task force for vector control in place
American Samoa	● No cases	● No cases	● Draft plan	N/A	● No	● 50%	● Unknown	● Yes	● No	● No	● Yes	● Yes	● Yes	● Yes
Cook Islands	● Outbreak	● No cases	● No plan	N/A	● Yes	● 73%	● Yes	● Yes	● Yes	● No	● Yes	● No	● Yes	● Yes
Fiji	● Endemic	● No cases	● Final plan	N/A	● Yes	● 13%	● No	● No	● Yes	● No	● Yes	● Yes	● No	● No
French Polynesia	● Endemic	● No cases	● Final plan	N/A	● Unknown	● 100%	● Unknown	● No	● Yes	● Yes	● Yes	● Yes	● Yes	● No
Guam	● Outbreak	● No cases	● Final plan	N/A	● Yes	● 53%	● Yes	● No	● No	● No	● No	● Yes	● Yes	● Under development
Kiribati	● Outbreak	● No cases	● No plan	N/A	● No	● 75%	● Yes	● No	● No	● No	● No	● Yes	● Unknown	● No
Marshall Islands	● Outbreak	● No cases	● Draft plan	N/A	● Yes	● 33%	● No	● Yes	● Yes	● No	● Yes	● Yes	● No	● No
Micronesia (FSM)	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data
Nauru	● No cases	● No cases	● Final plan	N/A	● Yes	● 35%	● Unknown	● No	● No	● No	● Yes	● Yes	● No	● No
Niue	● No cases	● No cases	● No plan	N/A	● No	● 53%	● Yes	● No	● No	● No	● Yes	● Yes	● No	● No
Northern Marianna Islands (CNMI)	● No cases	● No cases	● No plan	N/A	● No	● 67%	● No	● No	● No	● No	● Yes	● No	● No	● No
Palau	● Endemic	● No cases	● Draft plan	N/A	● Yes	● 41%	● Yes	● Yes	● No	● No	● Yes	● Yes	● Yes	● No
Papua New Guinea	● Endemic	● Endemic	● No plan	● Final plan	● Unknown	● 0%	● Unknown	● Yes	● Yes	● No	● Yes	● No	● Yes	● No
Samoa	● No cases	● No cases	● No plan	N/A	● No	● 17%	● No	● No	● Yes	● No	● Yes	● No	● Yes	● Under development
Solomon Islands	● Endemic	● Endemic	● No plan	● Final plan	● Yes	● 43%	● Yes	● Yes	● Yes	● Yes	● Yes	● No	● Yes	● Under development
Tokelau	● No cases	● No cases	● No plan	N/A	● No	● 68%	● Yes	● No	● No	● No	● No	● Yes	● Yes	● Yes
Tonga	● No cases	● No cases	● No plan	N/A	● Yes	● 26%	● No	● No	● Yes	● No	● Yes	● No	● No	● No
Tuvalu	● No cases	● No cases	● No plan	N/A	● Yes	● 25%	● No	● Yes	● Yes	● No	● Yes	● Yes	● Yes	● Yes
Vanuatu	● Outbreak	● Endemic	● Final plan	● Final plan	● No	● 63%	● Yes	● Yes	● Yes	● No	● No	● Yes	● Yes	● No

* A finalised plan exists but it requires update (is more than 3 years past the end date)

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Vector surveillance and control key indicators 2024														
Pacific Island Countries and areas	Dengue transmission status in previous year	Malaria transmission status in previous year	National strategic <i>Aedes</i> control response plan status	National strategic <i>Anopheles</i> control response plan status	Vector surveillance or control included in national budget	Proportion of required national vector staff in place	Vector staff received training in previous 3 years	Entomological data is used to guide vector control decisions	Mosquito surveillance conducted in previous 3 years	Mosquito insecticide resistance monitoring in previous 3 years	Any vector control activities routinely or seasonally	Any vector control activities for outbreak response	Community members engaged for mosquito surveillance or control in previous 3 years	Inter-ministerial task force for vector control in place
American Samoa	● No cases	● No cases	● Draft plan	N/A	● No	● 57%	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes
Cook Islands	● No cases	● No cases	● Draft plan	N/A	● No	● 52%	● Yes	● No	● Yes	● No	● Yes	● Yes	● Yes	● No
Fiji	● Endemic	● No cases	● Final plan	N/A	● Yes	● 4%	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Unknown
French Polynesia	● Outbreak	● No cases	● Final plan*	N/A	● Yes	● 81%	● Yes	● No	● Yes	● No	● Yes	● Yes	● No	● Yes
Guam	● Outbreak	● No cases	● Draft plan	N/A	● No	● 31%	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● No	● Yes
Kiribati	● Endemic	● No cases	● No plan	N/A	● No	● 18%	● Yes	● Unknown	● Yes	● No	● No	● Yes	● Yes	● No
Marshall Islands	● No cases	● No cases	● Draft plan	N/A	● No	● 18%	● No	● Unknown	● Yes	● No	● Yes	● Yes	● Yes	● No
Micronesia (FSM)	● Endemic	● No cases	● Draft plan	N/A	● No	● 71%	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● No	● No
Nauru	● No cases	● No cases	● Final plan*	N/A	● Yes	● 32%	● Yes	● No	● No	● No	● No	● Yes	● No	● No
Niue	● No cases	● No cases	● No plan	N/A	● Yes	● 56%	● Yes	● No	● No	● No	● Yes	● No	● No	● No
Northern Marianna Islands (CNMI)	● No cases	● No cases	● Draft plan	N/A	● No	● 33%	● No	● No	● No	● No	● Yes	● No	● Yes	● No
Palau	● Outbreak	● No cases	● Final plan*	N/A	● Yes	● 38%	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● No
Papua New Guinea	● Endemic	● Endemic	● Draft plan	● Draft plan	● No	● 25%	● Yes	● Yes	● Yes	● Yes	● No	● Yes	● Yes	● Under development
Samoa	● Endemic	● No cases	● Final plan	N/A	● No	● 49%	● Yes	● No	● Yes	● No	● No	● Yes	● No	● Yes
Solomon Islands	● Endemic	● Endemic	● Draft plan	● Final plan	● No	● 22%	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Under development
Tokelau	● Outbreak	● No cases	● Draft plan	N/A	● Yes	● 78%	● Yes	● No	● No	● No	● No	● Yes	● Yes	● Yes
Tonga	● Outbreak	● No cases	● Draft plan	N/A	● Yes	● 50%	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● No
Tuvalu	● Outbreak	● No cases	● No plan	N/A	● Yes	● 46%	● Yes	● Yes	● Yes	● No	● Yes	● Yes	● Yes	● Yes
Vanuatu	● No cases	● Endemic	● Final plan	● Final plan	● Unknown	● 63%	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes	● Yes

* A finalised plan exists but it requires update (is more than 3 years past the end date)