Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia (No update)
As of week 11, 2021, a total of 431 dengue cases, including one death, have been reported in Cambodia. The cumulative number of cases reported this year (weeks 1-11) is 26.3% of the 1,638 cases reported in the same period in 2020. The number of cases reported weekly remains within the normal range of cases reported from 2015 to 2020, excluding 2019 (Figure 1). The reported number of dengue cases is lower in all provinces compared to trends observed in 2020.

China (No update)
In February 2021, two dengue cases and no deaths were reported in China. The number of cases reported in February 2021 is lower in comparison to February 2020 and other recent years but follows an expected seasonal trend (Figure 2).
Lao People’s Democratic Republic
During week 14 of 2021, 17 dengue cases and no deaths were reported in Lao People’s Democratic Republic (Figure 3). The number of cases reported as of week 14 of 2021 is 181, which is 3.9 times lower compared to the same period in 2020 when 708 cases were reported. The trend is within seasonally expected levels.

Malaysia
During week 15, 2021, a total of 456 dengue cases have been reported, bringing the cumulative number of reported cases to 8,313 as of 17 April 2021. This is a decrease compared to 36,529 cases reported during the same period in 2020. As of week 15, a total of five deaths due to dengue have been reported in 2021, compared to 60 deaths during the same period in 2020.
Philippines
In week 10 of 2021, 199 dengue cases were reported in the Philippines, including one death. This is 92% lower compared to the same period in 2020 (n=2,320). As of 13 March 2021, 15,124 dengue cases have been reported, including 54 deaths (CFR 0.4%). The number of cases in this period is 66% lower compared to the 44,904 cases reported in the same period in 2020.

![Figure 5: Dengue cases reported weekly in 2021, Department of Health, The Philippines](image)

Singapore
In week 14 of 2021, 104 dengue cases were reported in Singapore and a total of 1,976 cases have been reported since week 1 of 2021 (Figure 6). Weekly trends are within expected seasonal levels.

![Figure 6: Dengue cases reported weekly in 2015-2021, Communicable Diseases Division, Ministry of Health, Singapore](image)
Viet Nam

During week 13 of 2021, there were 784 cases and no deaths reported from 39 out of 63 provinces. The number of cases decreased by 21.6% compared to the previous week (1,000 cases, one death). As of 4 April 2021, a total of 19,048 cases of dengue, including five deaths, have been reported in Viet Nam. Compared to the same period in 2020 (21,819 cases including three deaths), the cumulative number of cases decreased by 12.7%, with two more deaths reported.

![Graph showing dengue cases and deaths in Viet Nam](image)

**Figure 7:** Dengue cases and deaths reported weekly in 2020-2021, General Department of Preventive Medicine, Ministry of Health, Viet Nam

Southern Hemisphere

**Australia**

As of 21 April 2021, no dengue cases have been reported in Australia in 2021 (Figure 8). In contrast, there were 218 dengue cases reported in Australia in January to April 2020.

![Graph showing dengue cases in Australia](image)

**Figure 8:** Laboratory-confirmed dengue cases reported monthly in 2015-2021, Department of Health, Australia
Pacific Islands Countries

Cook Islands
Between 1 January and 20 April 2021, a total of 162 dengue cases with no deaths were reported in the Cook Islands where a dengue type-2 (DENV-2) outbreak is ongoing (Figure 9). Among the reported cases, there are 130 probable cases who are positive for the NS1 antigen (NS1 Ag+) and 32 cases confirmed to have DENV-2 infection based on PCR testing.

Figure 9: Dengue cases reported monthly in 2021, Ministry of Health, Cook Islands

French Polynesia
During weeks 11 and 12 of 2021, one probable case was detected out of 64 who were tested for dengue-specific IgM (Figure 10). In 2021, the proportion of DLI cases among consultations at sentinel sites has remained below 2%.

Figure 10: Samples and confirmed cases of dengue reported weekly in 2020-2021, Centre for Occupational Health and Public Safety, French Polynesia
New Caledonia
During weeks 1 to 15 of 2021, a total of 72 dengue cases were reported in New Caledonia, including 57 confirmed cases, 14 probable cases, and one suspected case (Figure 11). This is an increase compared to the same period in 2020 when a total of 26 cases were reported. DENV-2 was detected in 47 of the confirmed cases as of 18 April 2021.

Wallis and Futuna (No update)
During weeks 8 to 13 of 2021, 25 confirmed cases of dengue were reported in Wallis and Futuna (Figure 12). All are local cases with 23 cases reported in Futuna and two cases reported in Wallis.
Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance

In the Pacific Island Countries and Areas, in week 14 of 2021, there was an increase in DLI cases reported in the Cook Islands and in Vanuatu. The number of DLI cases reported in Fiji continues to decrease but remains at a high level (Figure 13). Other Pacific Island Countries and Areas with available surveillance data are reporting no or very low numbers of DLI cases.

* Caution should be taken in interpreting these data as there may be changes in the number of sentinel sites reporting to the Pacific Syndromic Surveillance System.

Figure 13: Reported cases of dengue-like illness in Pacific Islands Countries, PacNet Bulletin