Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia (no update)
As of week 6, 2021, a total of 278 dengue cases with no deaths have been reported in Cambodia. The cumulative number of cases reported this year (weeks 1-4) is 25.0% of the 1,110 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). Reported number of dengue cases is lower in all provinces compared to trends observed in 2020.

![Figure 1: Dengue cases reported weekly in 2021 vs Mean and Median +2SD during 2015-2020, excluding 2019](image)

China (no update)
In January 2021, five dengue cases and no deaths were reported in China. The number of cases reported in January 2021 is lower in comparison to January 2020 and other recent years but follows an expected seasonal trend (Figure 2).

![Figure 2: Dengue cases reported monthly in 2013-2021](image)
**Lao People’s Democratic Republic**

During week 8 of 2021, eight dengue cases and no deaths were reported in Lao People’s Democratic Republic (Figure 3). The number of cases reported as of week 8 of 2021 is 3.9 times lower compared to the same period in 2020 when 433 cases were reported. The trend is within seasonally expected levels.

![Figure 3: Dengue cases reported weekly in 2015-2021, National Centre for Laboratory and Epidemiology, Ministry of Health, Lao PDR](image)

**Malaysia**

During week 9, 2021, a total of 533 dengue cases have been reported, bringing the cumulative number of reported cases to 5,571 as of 6 March 2021. This is a decrease compared to 26,335 cases reported during the same period last year. As of week 9, a total of three deaths due to dengue have been reported in 2021, compared to 41 deaths during the same period in 2020.

![Figure 4: Dengue cases reported weekly in 2020 and 2021, Department of Health, Malaysia](image)
**Philippines**

In week 7 of 2021, 237 dengue cases were reported in the Philippines. This is 93% lower compared to the same period in 2020 (n=3,394). As of 20 February 2021, 10,260 dengue cases have been reported, including 32 deaths (CFR 0.3%). The number of cases in this period is 72% lower compared to the 36,487 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 8 of 2021, 147 dengue cases were reported in Singapore and a total of 1,231 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 2015-2020, Communicable Diseases Division, Ministry of Health, Singapore](image)
Viet Nam
During week 8 of 2021, there were 942 cases and no deaths reported from 34 out of 63 provinces. The number of cases decreased by 19.4% compared to the previous week (1,169 cases, no deaths). As of 28 February 2021, a total of 13,892 cases of dengue, including three deaths, have been reported in Viet Nam. Compared to the same period in 2020 (17,443 cases including three deaths), the cumulative number of cases decreased by 20.4%, with the same number of deaths reported.

Southern Hemisphere
Australia
In February 2021, one dengue case was reported in Australia, this is the first case reported since the beginning of 2021 (Figure 8). This is much lower than cases reported during the same period in years 2015 to 2020. In January and February 2020 there was a total of 129 dengue cases reported in Australia compared to one case reported during the same period in 2021.
Pacific Islands Countries

Cook Islands
Between 1 January and 5 March 2021, a total of 63 dengue cases were reported in the Cook Islands where a dengue type-2 (DENV-2) outbreak is ongoing (Figure 9). Among the reported cases, there are 31 probable cases who are positive for the NS1 antigen (NS1 Ag+) and 32 cases confirmed to have a DENV-2 infection based on PCR testing.

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

French Polynesia
During weeks 5 and 6 of 2021, no new cases were detected out of 60 that were tested for dengue-specific IgM. (Figure 10).

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 9 of 2021, a total of 42 dengue cases were reported in New Caledonia, including 31 confirmed cases, 10 probable cases, and one suspected case (Figure 11). This is an increase compared to the same period in 2020 when a total of 11 cases were reported. DENV-2 was detected in 14 of the confirmed cases as of 21 February 2021.

Wallis and Futuna (no update)
During weeks 6 to 7 of 2021, six confirmed cases of dengue were reported in Wallis and Futuna (Figure 12). This brings the total number of confirmed cases (NS1-positive) to 16 out of 56 that have been tested in 2021 (29% positivity), including 15 local cases reported in Futuna and one imported case reported in Wallis.
Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance

In the Pacific Island Countries and Areas, in week 8 of 2021, there was a slight increase in DLI cases reported in Vanuatu and the number of DLI cases reported in Fiji 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