Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
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.

China
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).

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**Figure 1:** Dengue cases reported weekly in 2021 vs Mean and Median +2SD during 2015-2020, excluding 2019
Ministry of Health, Cambodia

**Figure 2:** Dengue cases reported monthly in 2013-2021
National Health Commission, China
Lao People’s Democratic Republic
During week 6, 2021, four dengue cases and no deaths were reported in Lao People’s Democratic Republic (Figure 3). The number of cases reported as of week 6 of 2021 is 3.7 times lower compared to the same period in 2020 when 330 cases were reported. The trend is within seasonally expected levels.

Malaysia
During week 6, 2021, a total of 548 dengue cases have been reported, bringing the cumulative number of reported cases to 3,877 as of 13 February 2021. This is a decrease compared to 18,473 cases reported during the same period last year. As of week 6, a total of three deaths due to dengue have been reported in 2021, compared to 19 deaths during the same period in 2020.
Philippines
In morbidity week 5 (31 January to 6 February) 2021, 312 dengue cases were reported in the Philippines. This is 93% lower compared to the same period in 2020 (n=4,656). As of 6 February 2021, 6,614 dengue cases have been reported in 2021, including 20 deaths (CFR 0.3%). The number of cases in this period is 77% lower compared to the 29,184 cases reported in the same period in 2020.

![Dengue Cases by Morbidity Week (N=6,614) Philippines, 1 January to 6 February 2021 (MW 1-5)](image)

Figure 5: Dengue cases reported weekly in 2021, Department of Health, The Philippines

Singapore
In week 6, 2021, 145 dengue cases were reported in Singapore (Figure 6). A total of 936 cases have been reported as of 13 February 2021. Weekly trends are within expected seasonal levels.

![Dengue cases reported weekly in 2015-2020, Communicable Diseases Division, Ministry of Health, Singapore](image)

Figure 6: Dengue cases reported weekly in 2015-2020, Communicable Diseases Division, Ministry of Health, Singapore
Viet Nam
During week 7 (8-14 February 2021), there were 738 cases and no deaths reported from 37 out of 63 provinces. The number of cases decreased by 33.2% compared to the previous week (1,104 cases, no deaths). As of 14 February 2021, a total of 11,659 cases of dengue without any deaths have been reported in Viet Nam. Compared to the same period in 2020 (15,089 cases including two deaths), the cumulative number of cases decreased by 22.7%, and one fewer death was reported.

![Graph showing number of hospital admissions and deaths by week in 2021 compared to 2020, 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
In 2020, there were a total of 222 dengue cases reported in Australia with no new cases reported in December 2020. As of 24 February 2021, no dengue cases have been reported in Australia in 2021 (Figure 8).

![Graph showing laboratory-confirmed dengue cases reported monthly in 2015-2021, 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 19 February 2021, a total of 48 dengue cases were reported in the Cook Islands. Among these, there are 34 probable cases and 14 confirmed cases which is above the outbreak threshold of five confirmed cases (Figure 9).

French Polynesia
During weeks 3 and 4 of 2021, there was one probable dengue fever case who was IgM-positive out of 65 that were tested. As of 31 January 2021, a total of 3,330 cases of DENV-2 have been reported since the start of the epidemic in April 2019 until week 4 of 2021 (Figure 10).
New Caledonia
During weeks 1 to 7 of 2021, a total of 24 dengue cases were reported in New Caledonia, including 19 confirmed cases and five probable cases (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
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 6 of 2021, there was an increase in DLI cases observed in the Cook Islands, Fiji, and Wallis and Futuna (Figure 13). The number of cases reported in French Polynesia continues to decline after an elevated number was reported starting in week 49 of 2020. 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