Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia (no change)
As of epidemiological week 38, 2021, a total of 1,257 dengue cases, including three deaths, have been reported in Cambodia for 2021. The number of cases reported weekly remains lower than the normal range of cases reported from 2015 to 2020 (Figure 1). The reported number of dengue cases is lower in all provinces compared to trends observed in 2020.

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

Source: Ministry of Health, Cambodia

China
In September 2021, four dengue cases and no deaths were reported in China. The trend in 2021 is below usual seasonal trend, as compared to previous years (Figure 2).

![Figure 2: Dengue cases reported monthly from 2013-2021 in China](image)

Source: National Health Commission, China
Lao People’s Democratic Republic
During epidemiological week 42 of 2021, nine dengue cases and no deaths were reported in Lao People’s Democratic Republic (Figure 3). The cumulative number of cases reported as of epidemiological week 42 2021 is 1,198. This is a significant decrease compared to 6,889 cases reported during the same period in 2020. The trend is within seasonally expected levels.

Malaysia
During epidemiological week 42 of 2021, a total of 461 dengue cases and one death was reported. As of 23 October 2021, the cumulative number of reported cases is 21,308. This is a significant decrease of 74% compared to 80,590 cases reported during the same period in 2020. As of epidemiological week 42, a total of 16 deaths due to dengue have been reported in 2021, compared to 133 deaths during the same period in 2020.
Singapore
In epidemiological week 43 of 2021, 75 dengue cases were reported in Singapore and a total of 4,720 cases have been reported since epidemiological week 1 of 2021 (Figure 6). Weekly trends are within expected seasonal levels.

Viet Nam
During week 42 of 2021, there were 1,707 cases and no deaths reported from 46 out of 63 provinces. The number of cases decreased by 8.3% compared to the previous week (1,861 cases including no deaths). As of 24 October 2021, a total of 57,499 cases of dengue, including 21 deaths, have been reported in Viet Nam. Compared to the same period in 2020 (98,444 cases including 16 deaths), the cumulative number of cases decreased by 41.6%, with five more deaths reported.
**Southern Hemisphere**

**Australia**

As of 24 October 2021, four cumulative cases of dengue have been reported in Australia to-date (Figure 8). In contrast, there were 225 dengue cases reported in Australia from 1 January to 25 October 2020 indicating a marked reduction in the number of cases. The significant drop in dengue cases for 2021 in Australia as compared to previous years during the same time period may be attributed to COVID-19 related travel restrictions. Prior to COVID-19, Australia had seen increasing notifications in overseas-acquired cases from returning travellers to dengue endemic areas.

![Graph showing dengue cases in Australia from 2015-2021](image)

*Figure 8: Laboratory-confirmed dengue cases reported monthly from 2015-2021 in Australia*

*Source: Department of Health, Australia*

**Pacific Islands Countries**

**French Polynesia**

During epidemiological weeks 41 and 42 of 2021, out of 18 suspected dengue cases tested for dengue-specific IgM, no samples tested positive. In 2021, the proportion of dengue-like illness (DLI) cases among consultations at sentinel sites (Figure 9) started to increase between weeks 31 and 34, along with a peak in COVID-19 cases.

![Graph showing DLI cases in French Polynesia](image)

*Figure 9: Proportion of DLI cases among consultations at sentinel sites by week from 2020-2021 in French Polynesia*

*Source: Centre for Occupational Health and Public Safety, French Polynesia*
New Caledonia (no update)
During epidemiological weeks 1 to 33 of 2021, a total of 115 dengue cases were reported in New Caledonia, including 92 confirmed cases, 22 probable cases, and one suspected case (Figure 10). This is an increase compared to the same period in 2020 when a total of 50 total dengue cases were reported. DENV-2 was detected in 85 out of the 92 confirmed cases as of 23 August 2021.

Wallis and Futuna
During epidemiological weeks 38 to 43 of 2021, no confirmed cases of dengue were reported in Wallis and Futuna (Figure 11). As of epidemiological week 43, 2021, there have been 68 cases reported. Among them, 63 cases were reported in Futuna and five cases reported in Wallis. In 2020, there were a cumulative of 124 cases confirmed; DENV-2 is in circulation.
Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance
During epidemiological week 42 of 2021, 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 12. Reported cases of dengue-like illness in Pacific Islands Countries and Areas

Source: PacNet Bulletin