Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia

As of epidemiological week 20 of 2022, a total of 1,125 dengue cases and two death (case fatality rate (CRF) 0.2%) were reported in Cambodia. 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 almost double the increase compared to the case reported in the same period of 2021 (624 cases; 1 death).

![Figure 1: Dengue cases reported weekly in 2022 vs Mean and Mean+2SD during 2015-2020, *excluding 2019 in Cambodia](source)

Source: National Dengue Surveillance System (NDCP/CNM/MOH)

China

In April 2022, no dengue case and no death have been reported in China. The trend in April 2022 is below usual seasonal trend, as compared to previous years (Figure 2).

![Figure 2: Dengue cases reported monthly from 2015-2022 in China](source)

Source: National Health Commission, China
Lao People’s Democratic Republic
During epidemiological week 20 and 21 of 2022, 327 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 21 of 2022 is 669. This is higher compared to 288 cases reported during the same period in 2021.

Malaysia
During epidemiological week 21 of 2022, 1,352 dengue cases were reported, leading to a total of 17,497 cumulative reported dengue cases in 2022. This is an increase of 57.6% compared to 11,100 cases reported during the same period in 2021. As of epidemiological week 21 of 2022, ten deaths due to dengue had been reported, compared to also six deaths during the same period in 2021.
**Philippines**

During epidemiological week 17, from 24 April to 30 April 2022, there was a total of 478 dengue cases with no reported death. This is 41% lower compared to the same period in 2021 (n=807). From 1 January to 30 April 2022, there has been a total of 22,277 dengue cases and 126 deaths (CFR 0.6%) reported, this is 15% lower compared to the 26,114 cases reported in the same period in 2021.

**Figure 5: Dengue cases reported weekly from 2021 and 2022 in the Philippines**

Source: Department of Health, the Philippines

**Singapore**

During epidemiological week 20 of 2022, from 15 May to 21 May 2022, 1,285 dengue cases were reported in Singapore, leading to a total of 10,123 cases reported since epidemiological week 1 of 2022 (Figure 6). This is an increase of 285% compared to 2,627 dengue cases reported during the same period in 2021. The number of weekly dengue cases continue to increase.

**Figure 6: Dengue cases reported weekly from 2015-2022 in Singapore**

Source: Communicable Diseases Division, Ministry of Health, Singapore
**Viet Nam**

During epidemiological week 21 of 2022, there were 5,484 dengue cases and 2 deaths reported. The number of cases increased by 13.7% compared to the previous week. As of 22 May 2022, a total of 36,544 cases (including inpatients and outpatients) of dengue, including 17 deaths were reported in Viet Nam. Compared to the same period in 2021 (26,978 cases including five deaths), the cumulative number of cases increased by 35.5%.

**Southern Hemisphere**

**Australia**

There was four dengue cases reported in Australia from 18 April to 1 May 2022, leading to total of 23 cases reported since 1 January 2022 (Figure 8). The number of cases remain low since 2021, with two dengue case reported in Australia for the same period of time from 4 January 2021 to 9 May 2021. The significant drop in dengue cases for 2021 and early 2022 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.
Pacific Islands Countries
French Polynesia (no update)
During epidemiological week 9 to 12 of 2022, out of 30 suspected dengue cases tested for dengue-specific IgM no samples tested positive. Since the end of December 2021, the consultation rate for dengue-like syndrome has been around 5% and has increased to 5.8% in week 12 of 2022.

New Caledonia (no update)
From 1 January to 31 March in 2022, a total of 1 confirmed dengue case was reported in New Caledonia (Figure 10). This is lower compared to the same period in 2021 when a total of 58 dengue cases were reported during the same period. The 1 confirmed dengue case in 2022 was DENV-2.
Wallis and Futuna (no update)
During epidemiological weeks 46 to 47 of 2021, no confirmed cases of dengue were reported in Wallis and Futuna (Figure 11). As of epidemiological week 47, 2021, there were 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 confirmed dengue cases.

Figure 11: Dengue cases reported by week from 2020 to 2021 in Wallis and Futuna
*Source: Health Agency, Wallis and Futuna
*Since week 44, the dengue surveillance bulletin of Wallis and Futuna has discontinued updating this graph.

Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance
During epidemiological week 20 of 2022, Pacific Island Countries and Areas with available surveillance data are reporting no or low numbers of DLI cases. Fiji, French Polynesia, Palau has reported more cases compared to the same period of 2021.
Dengue Situation Update December 647
* 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.

** FSM: Federated States of Micronesia

Figure 12. Reported cases of dengue-like illness in Pacific Islands Countries and Areas

Source: PacNet Bulletin