Dengue Situation Update June 648

16 June 2022

Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of epidemiological week 22 of 2022, a total of 1,624 dengue cases and four death (case fatality rate (CFR) 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 higher 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](image)

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

China (no update)

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](image)

Source: National Health Commission, China
Lao People’s Democratic Republic
During epidemiological week 22 and 23 of 2022, 890 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 23 of 2022 is 1559. This is higher compared to 350 cases reported during the same period in 2021.

Malaysia
During epidemiological week 23 of 2022, 1,311 dengue cases were reported, leading to a total of 20,195 cumulative reported dengue cases in 2022. This is an increase of 65.7% compared to 12,188 cases reported during the same period in 2021. As of epidemiological week 23, of 2022, 13 deaths due to dengue had been reported, compared to also eight deaths during the same period in 2021.
**Philippines**

During epidemiological week 19, from 08 May to 14 May 2022, there was a total of 203 dengue cases with one reported mortality. This is 75% lower compared to the same period in 2021 (n=828). From 1 January to 14 May 2022, there has been a total of 27,686 dengue cases and 150 deaths (CFR 0.5%) reported, this is 1% higher compared to the 27,464 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 21 of 2022, from 22 May to 28 May 2022, 1,570 dengue cases were reported in Singapore, leading to a total of 11,674 cases reported since epidemiological week 1 of 2022 (Figure 6). This is an increase of 423% compared to 2,757 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
As of 12 June 2022, there were 62,966 dengue cases (including inpatients and outpatients) and 29 deaths cumulatively reported in Viet Nam. Compared to the same period in 2021 (31,962 cases including five deaths), the cumulative number of cases increased by 97%.

Southern Hemisphere
Australia
There was six dengue cases reported in Australia from 16 May to 29 May 2022, leading to total of 42 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 6 June 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
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.

*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 22 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.
* 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