Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of epidemiological week 12 of 2022, a total of 457 dengue cases, and one 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 lower in all provinces compared to trends observed in 2021.

![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 February 2022, no dengue case and no death have been reported in China. The trend in February 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 12 and 13 of 2022, 47 dengue cases and no death was reported in Lao People’s Democratic Republic (Figure 3). The cumulative number of cases reported as of epidemiological week 13 of 2022 is 115. This is lower compared to 164 cases reported during the same period in 2021.

Malaysia
During epidemiological week 13 of 2022, 888 dengue cases were reported for a total of 9,012 cumulative reported dengue cases for 2022. This is an increase of 21.5% compared to 7,147 cases reported during the same period in 2021. As of epidemiological week 13 of 2022, four deaths due to dengue had been reported, same to four deaths during the same period in 2021.
Philippines

During epidemiological week 10, from 6 March to 12 March 2022, there was a total of 199 dengue cases and no death reported. This is 87% lower compared to the same period in 2021 (n=1,553). From 1 January to 12 March 2022, there has been a total of 9,533 dengue cases with 65 deaths (CFR 0.7%) reported, this is 49% lower compared to the 18,784 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 12 of 2022, from 20 to 26 March 2022, 444 dengue cases were reported in Singapore and a total of 2,846 cases were reported since epidemiological week 1 of 2022 (Figure 6). This is an increase of 61.8% compared to 1,759 cases reported during the same period in 2021.

![Figure 6: Dengue cases reported weekly from 2015-2022 in Singapore](Source: Communicable Diseases Division, Ministry of Health, Singapore)
Viet Nam
During epidemiological week 13 of 2022, there were 931 cases and no deaths were reported from 33 out of 63 provinces in Viet Nam. The number of cases increased by 2.8% compared to the previous week (906 cases including no deaths). As of 27 March 2022, a total of 12,372 cases of dengue, including four deaths were reported in Viet Nam. Compared to the same period in 2021 (18,336 cases including five deaths), the cumulative number of cases decreased by 32.5%.

Southern Hemisphere
Australia
As of 13 March 2022 there were seven dengue cases reported since 1 January 2022. (Figure 8). There were three dengue case reported in Australia from 28 February to 13 March in 2022, continuing low number of cases since 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 7 and 8 of 2022, out of 10 suspected dengue cases tested for dengue-specific IgM no samples tested positive. From the end of December 2021, the number of consultations for duengue-like syndrome has increased to 5.5% in week 8 of 2022.

New Caledonia
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 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 12 of 2022, Pacific Island Countries and Areas with available surveillance data are reporting no or low numbers of DLI cases. French Polynesia 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