Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia (no updates)
As of epidemiological week 15 of 2022, a total of 608 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.

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

Figure 1: Dengue cases reported weekly in 2022 vs Mean and Mean+2SD during 2015-2020, *excluding 2019 in Cambodia
Source: National Dengue Surveillance System (NDCP/CNM/MOH)

Figure 2: Dengue cases reported monthly from 2015-2022 in China
Source: National Health Commission, China
Lao People’s Democratic Republic
During epidemiological week 16 and 17 of 2022, 66 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 17 of 2022 is 197. This is lower compared to 217 cases reported during the same period in 2021.

Figure 3: Dengue cases reported weekly from 2015-2022 in Lao PDR
Source: National Centre for Laboratory and Epidemiology, Ministry of Health, Lao PDR

Malaysia
During epidemiological week 16 of 2022, 967 dengue cases were reported, leading to a total of 11,921 cumulative reported dengue cases in 2022. This is an increase of 35.3% compared to 8,809 cases reported during the same period in 2021. As of epidemiological week 16 of 2022, one death due to dengue had been reported, compared to also five deaths during the same period in 2021.

Figure 4: Dengue cases reported weekly from 2021 and 2022 in Malaysia
Source: Department of Health, Malaysia
Philippines
During epidemiological week 14, from 3 April to 9 April 2022, there was a total of 399 dengue cases with no reported death. This is 58% lower compared to the same period in 2021 (n=939). From 1 January to 9 March 2022, there has been a total of 16,156 dengue cases and 97 deaths (CFR 0.6%) reported, this is 31% lower compared to the 23,489 cases reported in the same period in 2021.

Singapore
During epidemiological week 16 of 2022, from 17 April to 23 April 2022, 941 dengue cases were reported in Singapore, leading to a total of 5,651 cases reported since epidemiological week 1 of 2022 (Figure 6). This is an increase of 155% compared to 2,215 dengue cases reported during the same period in 2021. The number of weekly dengue cases continue to increase.

Figure 5: Dengue cases reported weekly from 2021 and 2022 in the Philippines
Source: Department of Health, the Philippines

Figure 6: Dengue cases reported weekly from 2015-2022 in Singapore
Source: Communicable Diseases Division, Ministry of Health, Singapore
Viet Nam
During epidemiological week 17 of 2022, there were 1,819 dengue cases and no death reported. The number of cases increased by 10% compared to the previous week. As of 24 April 2022, a total of 18,599 cases (including inpatients and outpatients) of dengue, including 11 deaths were reported in Viet Nam. Compared to the same period in 2021 (22,260 cases including five deaths), the cumulative number of cases decreased by 16.4%.

![Graph showing dengue cases and deaths reported weekly from 2021-2022 in Viet Nam](source)

**Figure 7: Dengue cases and deaths reported weekly from 2021-2022 in Viet Nam**

*Source: General Department of Preventive Medicine, Ministry of Health, Viet Nam*

Southern Hemisphere
Australia
There was three dengue cases reported in Australia from 11 April to 17 April 2022, leading to total of 19 cases reported since 1 January 2022 (Figure 8). The number of cases remain low since 2021, with one dengue case reported in Australia for the same period of time from 4 January 2021 to 25 April 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.

![Graph showing laboratory-confirmed dengue cases reported monthly from 2015-2022 in Australia](source)

**Figure 8: Laboratory-confirmed dengue cases reported monthly from 2015-2022 in Australia**
Pacific Islands Countries
French Polynesia (no updates)
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.

![Graph showing Dengue consultation and proportion of DLI cases among consultations at sentinel sites by week from 2021 to 2022 in French Polynesia]

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.

![Graph showing Dengue cases reported by week from 2020 to 2022 in New Caledonia]
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.

Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance
During epidemiological week 16 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.

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.
* 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*