Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of epidemiological week 4 of 2022, a total of 184 dengue cases, and no deaths (case fatality rate (CRF) 0%) 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 December 2021, three 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 2015-2022 in China](image)

Source: National Health Commission, China
**Lao People’s Democratic Republic**

During epidemiological week 5 of 2022, three 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 5 of 2022 is 17. This is lower compared to 86 cases reported during the same period in 2021.

*Figure 3: Dengue cases reported weekly from 2015-2022 in Lao PRD*

*Source: National Centre for Laboratory and Epidemiology, Ministry of Health, Lao PDR*

**Malaysia**

During epidemiological week 5 of 2022, 625 dengue cases were reported for a total of 3,573 cumulative reported dengue cases for 2022. This is an increase of 7.3% compared to 3,329 cases reported during the same period in 2021. As of epidemiological week 5 of 2022, no deaths due to dengue had been reported, compared to three 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 2, from 9 to 15 January 2022, there was a total of 59 dengue cases and one death reported. This is 97% lower compared to the same period in 2021 (n=1,918). From 1 January to 15 January 2022, there has been a total of 738 dengue cases with 2 deaths (CFR 0.3%) reported, this is 83% lower compared to the 4,385 cases reported in the same period in 2021.

![Figure 5: Dengue cases reported weekly from 2021 and 2022 in the Philippines](source)

Singapore
During epidemiological week 5 of 2022, 155 dengue cases were reported in Singapore and a total of 764 cases were reported since epidemiological week 1 of 2022 (Figure 6). Weekly trends are within expected seasonal levels.

![Figure 6: Dengue cases reported weekly from 2015-2022 in Singapore](source)

Viet Nam
During epidemiological week 5 of 2022, there were 765 cases and no deaths reported from 30 out of 63 provinces in Viet Nam. The number of cases increased by 27.9% compared to the previous week (598...
cases including no deaths). As of 6 February 2022, a total of 4,770 cases of dengue, including one death was reported in Viet Nam. Compared to the same period in 2021 (10,849 cases including three deaths), the cumulative number of cases decreased by 56%.

![Figure 7: Dengue cases and deaths reported weekly from 2021-2022 in Viet Nam](source)

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

**Southern Hemisphere**

**Australia**

As of 30 January 2022 there were two dengue cases reported. Two cases of dengue where reported in Australia from 1 January to 30 January 2022 (Figure 8). In contrast, there was one dengue case reported in Australia from 1 January to 31 January in 2021, continuing a marked reduction in the 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.

![Figure 8: Laboratory-confirmed dengue cases reported monthly from 2015-2021 in Australia](source)

Source: Department of Health, Australia
Pacific Islands Countries

French Polynesia
During epidemiological weeks 1 and 2 of 2022, out of 24 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 and decreased by week 35 of 2021. From December of 2021, the proportion of DLI consultation increased reaching 7% by week 2 of 2022.

New Caledonia (no update)
From epidemiological weeks 1 to 45 of 2021, a total of 116 dengue cases were reported in New Caledonia, including 92 confirmed cases, 23 probable cases, and one suspected case (Figure 10). This is an increase compared to the same period in 2020 when a total of 63 total dengue cases were reported, but the peak and majority of cases were reported at the beginning of the year and current trend is similar to last year. DENV-2 was detected in 85 out of the 92 confirmed cases as of 15 November 2021.
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.

![Dengue cases reported by week from 2021 in Wallis and Futuna](source)

*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 4 of 2022, Pacific Island Countries and Areas with available surveillance data are reporting no or 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*