Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of epidemiological week 8 of 2022, a total of 315 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.

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

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**Figure 1:** Dengue cases reported weekly in 2022 vs Mean and Mean+25D 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 8 and 9 of 2022, nine 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 9 of 2022 is 35. This is lower compared to 121 cases reported during the same period in 2021.

Malaysia
During epidemiological week 9 of 2022, 671 dengue cases were reported for a total of 6,229 cumulative reported dengue cases for 2022. This is an increase of 11.8% compared to 5,571 cases reported during the same period in 2021. As of epidemiological week 9 of 2022, two death due to dengue had been reported, compared to three deaths during the same period in 2021.
Philippines
During epidemiological week 7, from 13 to 19 February 2022, there was a total of 195 dengue cases and one death reported. This is 89% lower compared to the same period in 2021 (n=1,812). From 1 January to 19 February 2022, there has been a total of 5,555 dengue cases with 40 deaths (CFR 0.7%) reported, this is 60% lower compared to the 13,992 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 8 of 2022, from 20 to 26 February 2022, 199 dengue cases were reported in Singapore and a total of 1,336 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 (no update)
During epidemiological week 6 of 2022, there were 852 cases and no death was reported from 33 out of 63 provinces in Viet Nam. The number of cases decreased by 14.6% compared to the previous week (998...
cases including no deaths). As of 13 February 2022, a total of 5,882 cases of dengue, including two deaths were reported in Viet Nam. Compared to the same period in 2021 (11,684 cases including three deaths), the cumulative number of cases decreased by 49.7%.

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 (no update)
As of 13 February 2022 there were three dengue cases reported since 1 January 2022. (Figure 8). Similarly, there was one dengue case reported in Australia from 4 January to 14 February in 2021, 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.

Figure 8: Laboratory-confirmed dengue cases reported monthly from 2015-2021 in Australia
Source: Department of Health, Australia

Pacific Islands Countries
French Polynesia
During epidemiological week 5 and 6 of 2022, out of 25 suspected dengue cases tested for dengue-specific IgM and no samples tested positive, with two probable case. From the end of December 2021, the number of consultations for duengue-like syndrome has increased to 7% in week 6 of 2022.

![Figure 9: Number of dengue consultation and proportion of DLI cases among consultations at sentinel sites by week from 2021 to 2022 in French Polynesia. Source: Centre for Occupational Health and Public Safety, French Polynesia.]

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.

![Figure 10: Dengue cases reported by week from 2021 in New Caledonia. Source: Network of sentinel physicians, 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.

![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 8 of 2022, Pacific Island Countries and Areas with available surveillance data are reporting no or low numbers of DLI cases. Fiji and French Polynesia have reported more cases compared to the same period of 2021.
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French Polynesia - 2021 -2022 (W4)

FSM - 2021 -2022 (W8)

Kiribati - 2021 -2022 (W8)

Marshall Islands - 2021 -2022 (W8)

N Mariana Is - 2021 -2022 (W8)

New Caledonia - 2021 -2022 (W8)
* 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*