Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of epidemiological week 43 of 2022, a total of 10,189 dengue cases and 16 deaths (case fatality rate (CFR) 0.2%) were reported in Cambodia. The number of cases reported during weeks 41 to 43 of 2022 are higher than the mean number of cases in the same period from 2015–2020 (excluding 2019) (Figure 1).

China
There are no further updates since the previous report. In August 2022, one (1) dengue case was reported in China. There has been a total of nine (9) dengue cases and no deaths in the country from January 2022 to August 2022. The trend for 2022 remains low (Figure 2).
Lao People’s Democratic Republic
During epidemiological week 47 of 2022, 255 dengue cases were reported. This is lower compared to 360 cases reported in the previous week (Figure 3). The cumulative number of cases reported since epidemiological weeks 1–47, 2022 is 28,128. This is 21 times higher compared to the 1,320 cases reported during the same period in 2021. The cumulative number of deaths in 2022 to date is 28 (CFR 0.1%).

Malaysia
During epidemiological week 46 of 2022, 1,593 dengue cases were reported. This is a decrease compared to the 1,715 cases reported in the previous week. From epidemiological weeks 1–46 of 2022, a total of 54,570 cases were cumulatively reported. This is an increase of 137% compared to 23,057 cases reported during the same period (epidemiological weeks 1–46) in 2021. Up until epidemiological week 46 of 2022, a total of 37 deaths due to dengue had been reported (CFR 0.07%) in 2022, compared to 18 deaths during the same period in 2021 (CFR 0.08%).
**Philippines**

During epidemiological week 44 of 2022, a total of 602 dengue cases were reported. The number of cases is 73% lower compared to the same period in 2021 (n=1,853). From 1 January to 5 November 2022 (week 44), there have been 196,728 dengue cases and 642 deaths (CFR 0.3%), which is 191% higher compared to the 67,357 cases reported in the same period in 2021.

**Singapore**

During epidemiological week 46 of 2022, 316 dengue cases were reported in Singapore, leading to a total of 30,500 cases for the year to date (Figure 6). This is an increase of 525% compared to 4,878 dengue cases reported during the same period (epidemiological weeks 1–46) in 2021. Preliminary results of all positive dengue samples serotyped in November 2022 showed DEN-1 (7.3%), DEN-2 (10.9%), DEN-3 (78.6%) and DEN-4 (3.1%) respectively.
Viet Nam
During epidemiological week 47 of 2022, there were 9,351 cases and two deaths reported in Viet Nam. A reported 7,731 (82.7%) cases were hospitalized. Compared to week 46 (10,076 cases, 8,267 hospitalizations, three (3) death), the number of cases decreased 7.2% and the number of hospitalizations decreased 6.5%. From epidemiological weeks 1–47 of 2022, there were 325,604 dengue cases and 122 deaths (CFR 0.04%) cumulatively reported in Viet Nam. Compared to the same period in 2021 (66,002 cases and 25 deaths, CFR 0.04%), the cumulative number of cases was 4.9 times higher.

Southern Hemisphere
Australia
There were 70 dengue cases reported in Australia during epidemiological weeks 42 and 43 of 2022. In 2021, there were a total of eight (8) reported cases across the year. In 2022, the number of cases is increasing but remains low at 239 for the year to date (until 30 October 2022), compared with the trend for the years before 2020 (Figure 8). This may be attributed to COVID-19 related travel restrictions in 2020-2021. Prior to COVID-19, Australia had seen notifications in overseas-acquired cases from travellers returning from dengue endemic areas.
Pacific Islands Countries
New Caledonia
There are no further updates since the previous report. From 1 January to 30 September 2022, 3 confirmed dengue cases were reported in New Caledonia (Figure 9). This is lower compared to the same period in 2021 when a total of 116 dengue cases were reported. Of the 3 confirmed dengue cases in 2022, two were imported cases. All 3 dengue cases were DENV-2.

![Figure 9: Dengue cases reported by week from 2020 to 2022 in New Caledonia](source: Network of sentinel physicians, New Caledonia)

Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance
During epidemiological week 46 of 2022, Pacific Island Countries and Areas with available surveillance data (12/18 PICs) are reporting no or low numbers of DLI cases. Fiji, Vanuatu, and Wallis & Futuna reported a higher number of cases in week 46 compared with the corresponding epidemiological week of 2021.

![Cook Islands DLI Trend - 2021-2022 (W46)](source: Network of sentinel physicians, New Caledonia)

![Fiji DLI Trend - 2021-2022 (W46)](source: Network of sentinel physicians, New Caledonia)
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 10. Reported cases of dengue-like illness in Pacific Islands Countries and Areas
Source: WHO Division of Pacific Technical Support