Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of epidemiological week 26 of 2022, a total of 3,322 dengue cases and nine deaths (case fatality rate (CFR) 0.3%) were reported in Cambodia. This is 295% higher compared to the number of cases reported in the same period of 2021 (842 cases; one death). The number of cases reported weekly is higher than mean cases during 2015-2020 but lower than mean cases plus two standard deviations during 2015-2020 (Figure 1).

China
In May 2022, two dengue cases were reported in China. There have been a total of four dengue cases and no deaths in the country from January to May, 2022. The trend for 2022 remains low (Figure 2).

Lao People’s Democratic Republic
During epidemiological week 27 of 2022, 1,584 dengue cases and two deaths were reported in Lao People’s Democratic Republic (Figure 3). The cumulative number of cases reported since epidemiological...
week 1 to week 27, 2022 is 6,393. This is 1,210% higher compared to the 488 cases reported during the same period (epidemiological week 1 to week 27) in 2021. The cumulative number of death in 2022 to date is 10 (CFR 0.2%).

**Malaysia**

During epidemiological week 27 of 2022, 1,676 dengue cases were reported, leading to a total of 26,420 cumulative reported dengue cases in 2022 to date. This is an increase of 79.5% compared to 14,715 cases reported during the same period (epidemiological week 1 to week 27) in 2021. As of epidemiological week 24 of 2022, 19 deaths due to dengue had been reported (CFR 0.07%), compared to nine deaths during the same period in 2021 (CFR 0.06%).

**Philippines**

During epidemiological week 25, a total of 4,103 dengue cases and seven deaths were reported. The number of cases is 80% higher compared to the same period in 2021 (n=1,464). From 1 January to 25 June
2022, there has been 64,797 dengue cases and 274 deaths (CFR 0.4%) reported, which is 90% higher compared to the 34,074 cases and 112 deaths (CFR 0.36%) reported in the same period in 2021.

**Singapore**

During epidemiological week 26 of 2022, 1,259 dengue cases were reported in Singapore, leading to a total of 18,218 cases reported for the year to date (Figure 6). This is an increase of 438% compared to 3,386 dengue cases reported during the same period (epidemiological week 1 to week 26) in 2021. The number of hospital admissions decreased to 78 in week 26, compared to 112 in week 25. Preliminary results of all positive dengue samples serotyped in June 2022 showed DEN-1(0.2%), DEN-2(12.1%), DEN-3(86.2%) and DEN-4(1.5%) respectively.
Viet Nam
During week 27, there were 11,052 cases and one death, of whom 7,575 (68.5%) were hospitalized. Compared to week 26 (14,128 cases including 10,461 hospitalizations and two deaths), the number of cases decreased 21.8% and the number of hospitalizations decreased 27.6%. From epidemiological week 1 to week 27 of 2022, there were 103,433 dengue cases and 37 deaths (CFR 0.04%) cumulatively reported in Viet Nam. Compared to the same period in 2021 (35,936 cases and nine deaths (CFR 0.03%)), the cumulative number of cases increased by 156%.

Southern Hemisphere
Australia
There were 10 dengue cases reported in Australia during epidemiological week 24 and week 25 2022 (Figure 8). In 2021, there were only eight cases in total. In 2022, the number of cases is increasing but remains low at 66 for the year to date compared with the trend for the years before 2019, which 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

New Caledonia
From 1 January to 30 June 2022, one 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. This may be related to COVID-19 including travel restrictions in New Caledonia. The one confirmed dengue case in 2022 was DENV-2.

Wallis and Futuna
Wallis and Futuna has been reporting zero cases since week 34 of 2021 (Figure 11). In 2021, there were 68 cases reported including 63 in Futuna and five in Wallis. In 2020, there was a total of 124 confirmed dengue cases (47 cases in Wallis and 77 cases in 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 26 of 2022, Pacific Island Countries and Areas with available surveillance data are reporting no or low numbers of DLI cases. Fiji, Federated States of Micronesia, and Palau have reported an increase in cases compared to week 26 of 2021. Also, Vanuatu reported an increase in cases in week 25 compared to week 25 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