Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of epidemiological week 33 of 2022, a total of 6,141 dengue cases and 11 deaths (case fatality rate (CFR) 0.2%) were reported in Cambodia. This is 583% higher compared to the number of cases reported in the same period of 2021 (1052 cases; 3 deaths). The number of cases reported weekly is lower than mean cases during 2015-2020 (Figure 1).

![Weekly Dengue Case-Reported in Cambodia 2022 vs Mean and Mean+2SD during 2015-2020 (Exclude 2019)](image)

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)

China
In July 2022, three (3) dengue case were reported in China. There have been a total of eight (8) dengue cases and no deaths in the country from January to July, 2022. The trend for 2022 remains low (Figure 2).
Lao People’s Democratic Republic
During epidemiological week 35 of 2022, 1,468 dengue cases and 0 death were reported in Lao People’s Democratic Republic (Figure 3). The cumulative number of cases reported since epidemiological week 1 to week 35, 2022 is 20,326. This is 22 times higher compared to the 923 cases reported during the same period (epidemiological week 1 to week 35) in 2021. The cumulative number of deaths in 2022 to date is 17 (CFR 0.1%).

Malaysia
During epidemiological week 34 of 2022, 1,373 dengue cases were reported compared to 1,418 case in the previous week. From epidemiological week 1 to week 32 of 2022, a total of 36,703 cases cumulatively reported. This is an increase of 105.2% compared to 17,888 cases reported during the same period.
(epidemiological week 1 to week 34) in 2021. Up until epidemiological week 34, a total of 22 deaths due to dengue had been reported (CFR 0.06%) in 2022, compared to 10 deaths during the same period in 2021 (CFR 0.06%).

**Philippines**

During epidemiological week 33, a total of 407 dengue cases with one (1) reported deaths. The number of cases is 81% lower compared to the same period in 2021 (n=2,115). From 1 January to 20 August (week 33) 2022, there have been 128,346 cases and 422 deaths (CFR 0.3%), which is 152% higher compared to the 50,982 cases reported in the same period in 2021.

**Singapore**

During epidemiological week 32 of 2022, 890 dengue cases were reported in Singapore, leading to a total of 24,254 cases for the year to date (Figure 6). This is an increase of 526% compared to 3,875 dengue
cases reported during the same period (epidemiological week 1 to week 32) in 2021. The number of hospital admissions remain the same, 78 in both week 31 and 32. Preliminary results of all positive dengue samples serotyped in August 2022 showed DEN-1(2.0%), DEN-2(15.2%), DEN-3(77.0%) and DEN-4(5.9%) respectively.

**Viet Nam**

During week 35, there were 9,186 cases and one death, of whom 7,033 (76.6%) were hospitalized. Compared to week 34 (10,162 cases including 7,840 hospitalizations and no deaths), the number of cases decreased 9.6% and the number of hospitalizations decreased 10.3%. From epidemiological week 1 to week 53 of 2022, there were 190,005 dengue cases and 72 deaths (CFR 0.04%) cumulatively reported in Viet Nam. Compared to the same period in 2021 (47,2058 cases and 19 deaths (CFR 0.04%)), the cumulative number of cases was four times higher.
Northern Hemisphere

Australia

There were 25 dengue cases reported in Australia during epidemiological week 30 and week 31 2022 (Figure 8). In 2021, there were only eight cases in total. In 2022, the number of cases is increasing but remains low at 127 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.

![Figure 8: Laboratory-confirmed dengue cases reported monthly from 2015-2022 in Australia](source: Department of Health, Australia)

Pacific Islands Countries

New Caledonia

There have been no new reports from New Caledonia since the last update. From 1 January to 31 July 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 116 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.

![Figure 10: Dengue cases reported by week from 2020 to 2022 in New Caledonia](source: Network of sentinel physicians, New Caledonia)
Wallis and Futuna

There have been no new report from Wallis and Futuna since the last update. Wallis and Futuna has been reporting zero cases since week 34 of 2021 to week 33 2022 (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).

Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance

During epidemiological week 34 of 2022, Pacific Island Countries and Areas with available surveillance data are reporting no or low numbers of DLI cases. Fiji, Samoa, Vanuatu and Wallis & Futuna have reported a higher number of cases compared to week 34 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