Dengue Situation Update 655
22 September 2022

Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of epidemiological week 36 of 2022, a total of 7,229 dengue cases and 13 deaths (case fatality rate (CFR) 0.2%) were reported in Cambodia. The number of cases reported weekly is lower than mean cases during 2015-2020 (Figure 1). The number of cases is expected to increase as dengue usually occurs during the rainy season between June and October.

![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
There have been no new report from China since July 2022. 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).

![Figure 2: Dengue cases reported monthly from 2015-2022 in China](source: National Health Commission, China)
Lao People’s Democratic Republic
During epidemiological week 36 of 2022, 1,336 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 37, 2022 is 22,392. This is 22 times higher compared to the 1,017 cases reported during the same period (epidemiological week 1 to week 37) in 2021. The cumulative number of deaths in 2022 to date is 17 (CFR 0.1%).

Malaysia
During epidemiological week 35 of 2022, 1,247 dengue cases were reported compared to 1,373 cases in the previous week. From epidemiological week 1 to week 35 of 2022, a total of 37,950 cases were cumulatively reported. This is an increase of 19,731 cases (108%) compared to 18,219 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 35 of 2022, a total of 309 dengue cases and one death were reported. The number of cases is 81% lower compared to the same period in 2021 (n=1,601). However, reported cases in week 35 of 2022 may change since cases are still being validated and confirmed. From 1 January to 3 September 2022 (week 35), there have been 145,650 cases and 462 deaths (CFR 0.3%), which is 168% higher compared to the 54,298 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 36 of 2022, 572 dengue cases were reported in Singapore, leading to a total of 26,754 cases for the year to date (Figure 6). This is an increase of 653% compared to 4,094 dengue cases reported during the same period (epidemiological week 1 to week 36) in 2021. 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.

![Figure 6: Dengue cases reported weekly from 2015-2022 in Singapore](source)
Viet Nam
During week 36, there were 8,636 cases and two deaths, of whom 6,671 (77.2%) were hospitalized. Compared to week 35 (9,186 cases including 7,577 hospitalizations and one death), the number of cases decreased by 6% and the number of hospitalizations decreased 12%. From epidemiological week 1 to week 36 of 2022, there were 199,518 dengue cases and 78 deaths (CFR 0.04%) cumulatively reported in Viet Nam. Compared to the same period in 2021 (47,504 cases and 21 deaths (CFR 0.04%)), the cumulative number of cases was 4.2 times higher.

Southern Hemisphere
Australia
There have been no new report from Australia since the middle of August 2022. There were 25 dengue cases reported in Australia during epidemiological week 32 and week 33 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.
Pacific Islands Countries

New Caledonia

There have been no new report 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.

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 35 of 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).

Figure 9: Dengue cases reported by week from 2020 to 2022 in New Caledonia

Source: Network of sentinel physicians, New Caledonia

Figure 10: Dengue cases reported by week from 2020 to 2021 in Wallis and Futuna

Source: Health Agency, Wallis and Futuna

*Since week 44 in 2021, 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 36 of 2022, Pacific Island Countries and Areas with available surveillance data are reporting no or low numbers of DLI cases. Fiji, Samoa, and Vanuatu have reported a higher number of cases compared to week 36 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 11. Reported cases of dengue-like illness in Pacific Islands Countries and Areas

Source: PacNet Bulletin