Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of week 11, 2021, a total of 431 dengue cases, including one death, have been reported in Cambodia. The cumulative number of cases reported this year (weeks 1-11) is 26.3% of the 1,638 cases reported in the same period in 2020. The number of cases reported weekly remains within the normal range of cases reported from 2015 to 2020, excluding 2019 (Figure 1). The reported number of dengue cases is lower in all provinces compared to trends observed in 2020.

China (No update)
In February 2021, two dengue cases and no deaths were reported in China. The number of cases reported in February 2021 is lower in comparison to February 2020 and other recent years but follows an expected seasonal trend (Figure 2).

Figure 1: Dengue cases reported weekly in 2021 vs 2020 Mean and Mean+2SD during 2015-2020, excluding 2019
Ministry of Health, Cambodia

Figure 2: Dengue cases reported monthly in 2013-2021
National Health Commission, China
Lao People’s Democratic Republic

During week 12 of 2021, 11 dengue cases and no deaths were reported in Lao People’s Democratic Republic (Figure 3). The number of cases reported as of week 12 of 2021 is 157, which is 4 times lower compared to the same period in 2020 when 629 cases were reported. The trend is within seasonally expected levels.

Malaysia

During week 13, 2021, a total of 436 dengue cases have been reported, bringing the cumulative number of reported cases to 7,417 as of 3 April 2021. This is a decrease compared to 34,238 cases reported during the same period in 2020. As of week 13, a total of four deaths due to dengue have been reported in 2021, compared to 49 deaths during the same period in 2020.
**Philippines**

In week 9 of 2021, 171 dengue cases were reported in the Philippines. This is 94\% lower compared to the same period in 2020 (n=3,096). As of 6 March 2021, 13,699 dengue cases have been reported, including 50 deaths (CFR 0.4\%). The number of cases in this period is 68\% lower compared to the 42,584 cases reported in the same period in 2020.

**Singapore**

In week 12 of 2021, 121 dengue cases were reported in Singapore and a total of 1,760 cases have been reported since week 1 of 2021 (Figure 6). Weekly trends are within expected seasonal levels.
Viet Nam
During week 9 of 2021, there were 1,036 cases and no deaths reported from 39 out of 63 provinces. The number of cases decreased by 3.6% compared to the previous week (1,075 cases, no deaths). As of 7 March 2021, a total of 15,110 cases of dengue, including three deaths, have been reported in Viet Nam. Compared to the same period in 2020 (18,501 cases including three deaths), the cumulative number of cases decreased by 18.3%, with the same number of deaths reported.

Southern Hemisphere
Australia
As of 7 April 2021, no dengue cases have been reported in Australia in 2021 (Figure 8). In contrast, there were 218 dengue cases reported in Australia in January to April 2020. One case reported in February 2021 was removed retrospectively from the list of cases notified in Australia.
### Pacific Islands Countries

**Cook Islands (No update)**

Between 1 January and 22 March 2021, a total of 82 dengue cases were reported in the Cook Islands where a dengue type-2 (DENV-2) outbreak is ongoing (Figure 9). Among the reported cases, there are 50 probable cases who are positive for the NS1 antigen (NS1 Ag+) and 32 cases confirmed to have a DENV-2 infection based on PCR testing.

![Figure 9: Dengue cases reported monthly in 2021, Ministry of Health, Cook Islands](image)

**French Polynesia**

During weeks 9 and 10 of 2021, one probable case was detected out of 65 who were tested for dengue-specific IgM (Figure 10). Furthermore, a low proportion of consultations for dengue-like illness (DLI) continues to be reported since week 27 of 2020. In 2021, the proportion of DLI cases among consultations at sentinel sites has remained below 2%.

![Figure 10: Samples and confirmed cases of dengue reported weekly in 2020-2021, Centre for Occupational Health and Public Safety, French Polynesia](image)
New Caledonia
During weeks 1 to 12 of 2021, a total of 54 dengue cases were reported in New Caledonia, including 41 confirmed cases, 12 probable cases, and one suspected case (Figure 11). This is an increase compared to the same period in 2020 when a total of 24 cases were reported. DENV-2 was detected in 37 of the confirmed cases as of 29 March 2021.

Wallis and Futuna
During weeks 8 to 13 of 2021, 25 confirmed cases of dengue were reported in Wallis and Futuna (Figure 12). All are local cases with 23 cases reported in Futuna and two cases reported in Wallis.
Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance
In the Pacific Island Countries and Areas, in week 12 of 2021, there was a slight increase in DLI cases reported in Cook Islands while the number of DLI cases reported in Fiji has decreased but remains at a high level (Figure 13). Other Pacific Island Countries and Areas with available surveillance data are reporting no or very low numbers of DLI cases.

* 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 13: Reported cases of dengue-like illness in Pacific Islands Countries,
PacNet Bulletin