Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia (no update)
As of week 29, 2020, a total of 4,450 dengue cases with five deaths have been reported in Cambodia (case fatality rate (CFR) 0.11%). The number of cases reported is only 11% of the 41,982 cases reported in the same period in 2019. While there is an increasing trend in the number of cases reported weekly, it remains lower than the 5-year (2014-2018) mean for weekly number of cases (Figure 1).

China
In June 2020, four dengue cases and no additional deaths were reported in China. The number of cases reported in 2020 is lower in comparison to the same period in 2019 but following an expected seasonal trend (Figure 2).
Lao People’s Democratic Republic
During week 32, 2020, 402 dengue cases were reported in Lao People’s Democratic Republic, bringing the cumulative total to 4,155 this year with nine deaths (Figure 3). The cumulative number of cases reported this year (weeks 1-32) is 5.5 times lower compared to the same period in 2019 when 22,737 cases were reported. The trend is within seasonally expected levels.

![Figure 3: Dengue cases reported weekly in 2013-2020, National Centre for Laboratory and Epidemiology, Ministry of Health, Lao PDR](image)

Malaysia
During week 32, 2020, a total of 1,807 dengue cases have been reported, bringing the cumulative number of reported cases to 66,199 as of 8 August 2020. It is a decrease compared to 82,529 cases for the same period last year. Three dengue deaths were reported in week 29 with a cumulative figure of 109 deaths in 2020, compared to 120 deaths during the same period in 2019. Dengue activity has a decreasing trend since week 29 and is lower than the cases reported in weeks 25-32 of 2019.

![Figure 4: Dengue cases reported weekly in 2019 and 2020, Department of Health, Malaysia](image)
**Philippines**

During week 29, 12 to 18 July 2020, a total of 446 dengue cases with two deaths were reported. This is 97% lower compared to the same period in 2019 (n=17,007). From 1 January to 18 July 2020, there have been a total of 55,160 dengue cases with 200 deaths (CFR 0.36%) reported, 66% lower compared to the 163,773 cases with 768 deaths (CFR 0.47%) reported in the same period in 2019.

**Singapore**

In week 31, 2020, 1,380 dengue cases were reported in Singapore, which is lower than the previous five weeks but still significantly higher compared to the same week in 2019 (n= 599) (Figure 5). A total of 21,834 cases have been reported as of 1 August 2020, which is higher than the same period in 2013 and 2014, when the largest outbreak was recorded in Singapore’s history.

**Viet Nam**

During week 31, 2020, there were 2,236 cases reported from 46 out of 63 provinces with no deaths, a decrease of 21.4% compared to the cases reported in the previous week (2,845 cases, no deaths). Of the reported cases, there were 1,770 hospital admissions (79%). The number of cases is lower compared to the same week in 2019 (Figure 6). The cumulative number of dengue cases from 1 January to 2 August 2020 was 48,484 with 3 deaths, this is a decrease of 64.1% compared to 135,115 cases with 26 deaths reported during the same period in 2019.

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**Figure 5:** Dengue cases reported weekly in 2014-2020, Communicable Diseases Division, Ministry of Health, Singapore

**Figure 6:** Dengue cases and deaths reported weekly in 2019-2020, General Department of Preventive Medicine, Ministry of Health, Viet Nam
**Southern Hemisphere**

**Australia**
In July, there were two new dengue cases reported. As of 31 July 2020, a total of 195 dengue cases have been reported since the beginning of 2020 in Australia. This is significantly lower compared to the same period in previous years (Figure 7).

![Figure 7: Laboratory-confirmed dengue cases reported monthly in 2013-2020, Department of Health, Australia](image)

**Pacific Islands Countries**

**French Polynesia**
During weeks 27-30 of 2020, there were seven confirmed cases of dengue fever out of 142 that were tested (4.9% positivity rate). As of 26 July 2020, a total of 2,947 cases of DENV-2 have been reported since the start of the epidemic on April 2019 until week 30 of 2020. (Figure 8).

![Figure 8: Samples and confirmed cases of dengue reported weekly in 2019-2020, Centre for Occupational Health and Public Safety, French Polynesia](image)
New Caledonia
As of 6 August 2020, there have been a total of 50 dengue cases since the beginning of 2020, including 8 cases imported from French Polynesia and 1 from Vanuatu (Figure 9). Of these, 36 samples were serotyped as a DENV-2. Dengue activity remains at a low level.

Figure 9: Dengue cases reported by week in 2020, Network of sentinel physicians, New Caledonia