Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia
As of week 35, 2020, a total of 7,823 dengue cases with nine deaths have been reported in Cambodia (case fatality rate (CFR) 0.12%). The number of cases reported is only 14% of the 56,617 cases reported in the same period in 2019. The number of cases reported weekly remains within the normal range of cases reported from 2014 to 2018 (Figure 1).

Figure 1: Dengue cases reported weekly in 2020 vs Mean and Median +2SD during 2014-2018, Ministry of Health, Cambodia

China
In July 2020, 23 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).

Figure 2: Dengue cases reported monthly in 2013-2020 National Health Commission, China
Lao People’s Democratic Republic
During week 36, 2020, 281 dengue cases were reported in Lao People’s Democratic Republic, bringing the cumulative total to 5,510 this year with 11 deaths (Figure 3). The cumulative number of cases reported this year (weeks 1-36) is 5.3 times lower compared to the same period in 2019 when 26,387 cases were reported. The trend is within seasonally expected levels.

Malaysia
During week 36, 2020, a total of 1,479 dengue cases have been reported, bringing the cumulative number of reported cases to 72,952 as of 5 September 2020. It is a decrease compared to 93,344 cases for the same period last year. Two dengue deaths were reported in week 36 with a cumulative figure of 118 deaths in 2020, compared to 137 deaths during the same period in 2019. Dengue activity has a decreasing trend since week 33 and is lower than the cases reported in weeks 25-36 of 2019.
**Philippines**

During week 34, 16 to 22 August 2020, a total of 583 dengue cases with two deaths were reported. This is 97% lower compared to the same period in 2019 (n=20,820). From 1 January to 22 August 2020, there have been a total of 60,819 dengue cases with 236 deaths (CFR 0.4%) reported, 77% lower compared to the 267,241 cases reported in the same period in 2019.

**Singapore**

In week 35, 2020, 1,154 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= 417) (Figure 5). A total of 27,280 cases have been reported as of 29 August 2020, which is higher than the same period in 2013 and 2014, when the largest outbreak was recorded in Singapore’s history.

![Dengue cases reported weekly in 2014-2020](image)

**Viet Nam**

During week 35, 2020, there were 3,245 cases reported from 50 out of 63 provinces including two deaths, an increase of 6.6% compared to the cases reported in the previous week (3,045 cases, no deaths). Of the reported cases, there were 2,520 hospital admissions (78%). 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 30 August 2020 was 60,525 with seven deaths, this is a decrease of 66% compared to 178,200 cases with 38 deaths reported during the same period in 2019.

![Dengue hospital admission cases and deaths by week in 2020 compared to 2019](image)
Southern Hemisphere

Australia

In August, there were no new dengue cases reported. As of 9 September 2020, a total of 194 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).

Pacific Islands Countries

French Polynesia (no update)

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).

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**Figure 7**: Laboratory-confirmed dengue cases reported monthly in 2013-2020, Department of Health, Australia

**Figure 8**: Samples and confirmed cases of dengue reported weekly in 2019-2020, Centre for Occupational Health and Public Safety, French Polynesia
**New Caledonia**

As of 27 August 2020, there have been a total of 52 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 DENV-2. Dengue activity remains at a low level.

![Number of Dengue Cases in New Caledonia (1 January 2020 to 27 August 2020)](image)

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