Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia (no update)
As of week 52, 2020, a total of 11,977 dengue cases with 16 deaths have been reported in Cambodia (case fatality rate (CFR) 0.1%). The cumulative number of cases reported this year (weeks 1-52) is only 17.0% of the 68,657 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 December 2020, nine 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 and other recent years but follows 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 2, 2021, 20 dengue cases and no deaths were reported in Lao People’s Democratic Republic (Figure 3). The number of cases reported in week 2 of 2021 is 3.5 times lower compared to the same period in 2020 when 97 cases were reported. The trend is within seasonally expected levels.

Malaysia
During week 3, 2021, a total of 738 dengue cases have been reported, bringing the cumulative number of reported cases to 2,136 as of 23 January 2021. It is a decrease compared to 9,464 cases reported for the same period last year. No dengue deaths were reported in week 3, compared to one death during the same period in 2020.
Philippines
In morbidity week 1, from 1 to 9 January 2021, a total of 285 dengue cases with one mortality were reported in the Philippines. This is 96% lower compared to the same period in 2020 (n=8,000).

Singapore
In week 2, 2021, 166 dengue cases were reported in Singapore (Figure 6). A total of 361 cases have been reported as of 21 January 2021, which is lower than the same period in recent years, except 2017 and 2018. Weekly trends are within expected seasonal levels.
**Viet Nam**

During week 3 (11 – 17 January), there were 1,951 cases and no deaths reported from 50 out of 63 provinces. The number of cases decreased 23.1% compared to the previous week (2,538 cases, no deaths). As of 21 January 2021, there have been a total of 5,718 cases of dengue without any deaths reported in Viet Nam. Compared to the same period in 2020 (8,169 cases including one death), the cumulative number of cases decreased by 30%, and one fewer death was reported.

![Number of Hospital Admissions of Dengue Cases and Deaths by Week in 2021 Compared to 2020](image1)

*Figure 7: Dengue cases and deaths reported weekly in 2020-2021, General Department of Preventive Medicine, Ministry of Health, Viet Nam*

**Southern Hemisphere**

**Australia**

In 2020, there were 222 dengue cases reported in Australia with no new cases reported in December 2020. As of 26 January 2021, no dengue cases have been reported in Australia in 2021, this is significantly lower compared to the same period in previous years (Figure 8).

![Laboratory-confirmed dengue cases reported monthly in 2015-2021](image2)

*Figure 8: Laboratory-confirmed dengue cases reported monthly in 2015-2021, Department of Health, Australia*
Pacific Islands Countries

French Polynesia
During weeks 43-44 of 2020, there were four probable dengue fever cases who were IgM-positive out of 53 that were tested. As of 13 December 2020, a total of 3,329 cases of DENV-2 have been reported since the start of the epidemic on April 2019 until week 50 of 2020 (Figure 9).

New Caledonia
In 2020, a total of 63 dengue cases were reported in New Caledonia, including eight cases imported from French Polynesia and one case from Vanuatu. Among these cases, 39 were positive for DENV-2. In January 2021, dengue activity remains at a low level with one dengue case reported as of 24 January 2021 (Figure 10).