

Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia

In week 52, 2019, a total of 52 dengue cases were reported to the Cambodia National Dengue Surveillance System. The number of suspected cases reported in week 52 decreased compared to the previous week. Weekly number of reported cases shows decreasing trend since week 29 and is now similar to the five-year mean (Figure 1).

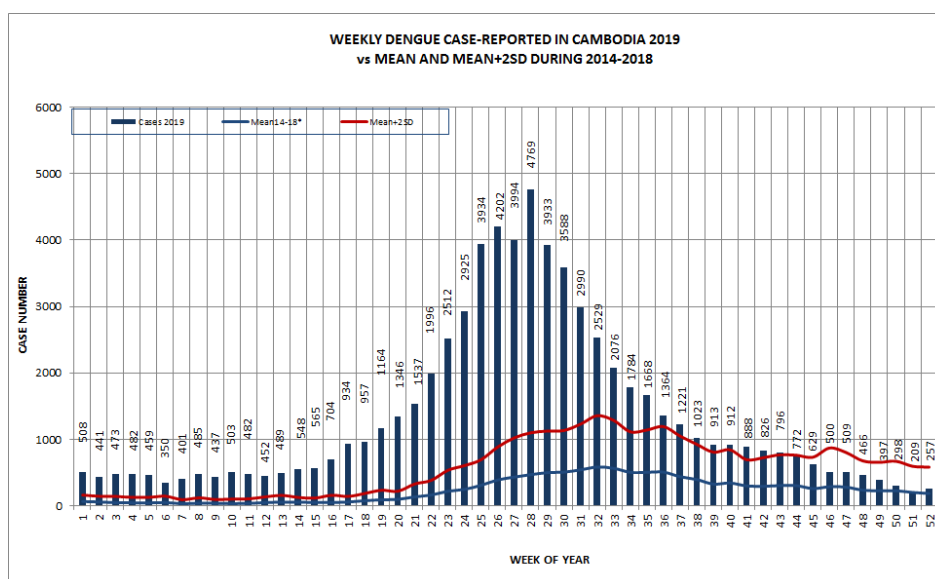


Figure 1: Dengue cases reported weekly in 2019
Ministry of Health, Cambodia

China (No update)

In November 2019, 1,767 dengue cases were reported in China. The number of cases reported is greater than that reported during the same period in previous years and shows a decreasing trend since September (Figure 2).

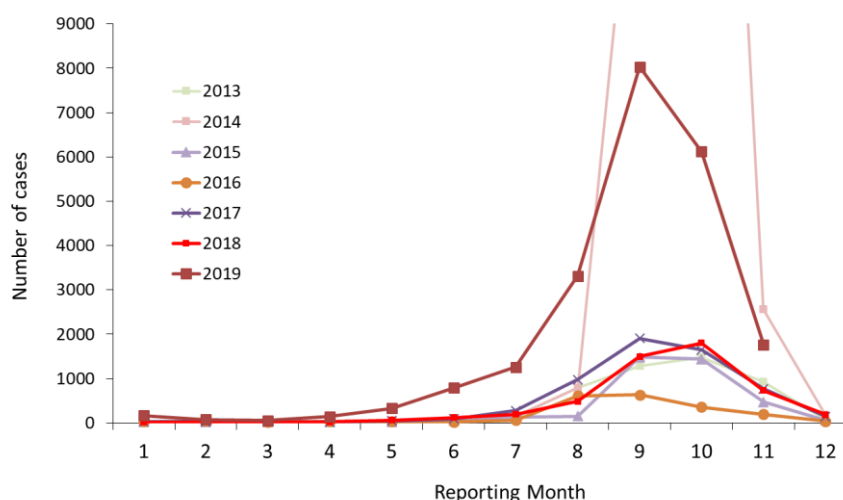


Figure 2: Dengue cases reported monthly in 2013-2019,
National Health Commission, China

Lao PDR

During week 1 in 2020, a total of 42 dengue cases were reported in Lao PDR bringing the cumulative number of dengue cases this year to 42 including 0 deaths (Figure 3). The number of weekly reported cases decreased compared to previous week (51 cases in week 52 in 2019).

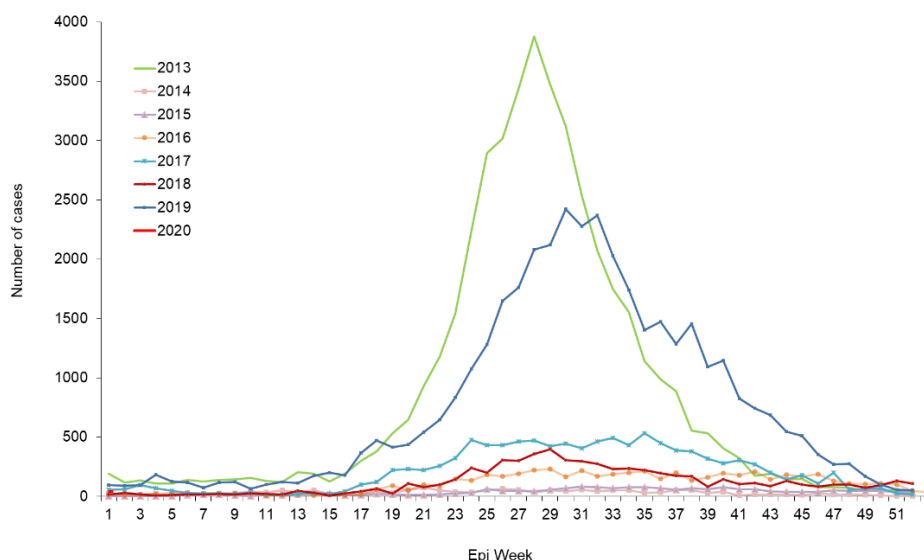


Figure 3: Dengue cases reported weekly in 2014-2020, National Centre for Laboratory and Epidemiology, Ministry of Health, Lao PDR

Malaysia

During week 2, 2020, a total of 3,239 dengue cases with eight deaths were reported in Malaysia. There has been a 14.1% increase this week compared to the previous week. The weekly number reported is similar to that reported during the same period last year (Figure 4). The cumulative number of cases reported from 29 December 2020 until 11 January 2020 was 6,077 cases, including 9 deaths. This is slightly higher compared to the 5,789 cases with 10 deaths reported during the same period last year.

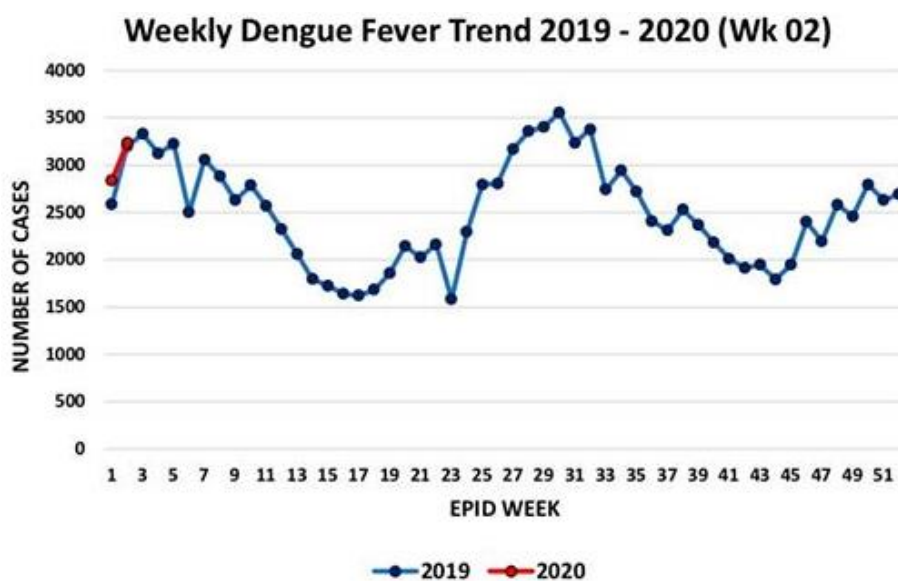


Figure 4: Dengue cases reported weekly in 2019 and 2020, Department of Health, Malaysia

Philippines

During week 51, 2019, a total of 2,410 dengue cases were reported nationwide. As of 21 December 2019, the cumulative number of cases was 429,409 including 1,607 deaths. This is higher compared to 241,707 cases including 1,210 deaths reported during the same period in 2018.

Singapore

In week 1, 2020, there were 313 dengue cases reported in Singapore, which is an increase compared to week 52 in 2019 (Figure 6). A total of 313 cases have been reported to date in 2020, which remains higher than the same period in 2018 and 2019 but within previously experienced levels.

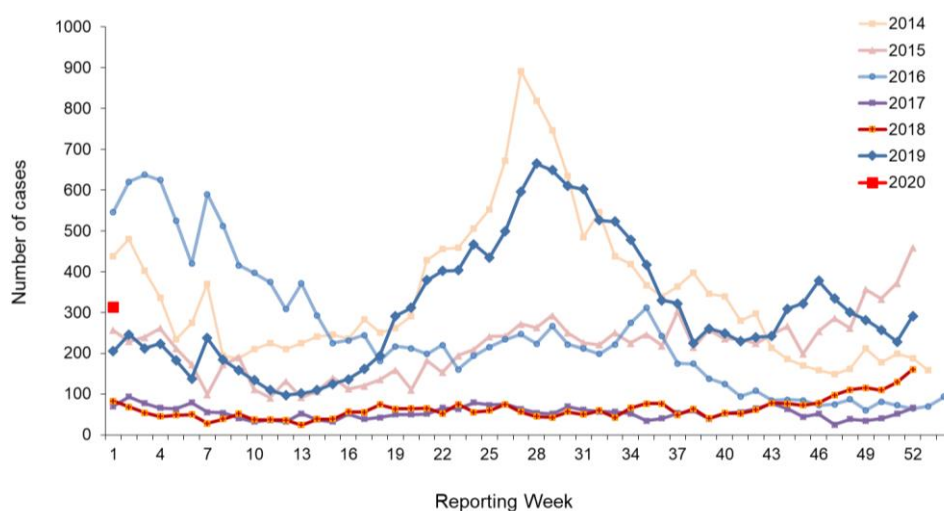


Figure 6: Dengue cases reported weekly in 2014-2020, Communicable Diseases Division, Ministry of Health, Singapore

Viet Nam (No update)

During week 50 of 2019, there were 4,038 dengue cases reported without death. Of the reported cases, there were 3,071 hospital admissions (76%). Compared to the previous week, the number of cases slightly decreased but remains well above seasonal levels. Since 1 January 2019, there have been a total of 320,702 cases with 54 deaths reported, a 2.5-fold increase compared to the same period in 2018 of 126,682 cases including 17 deaths (Figure 7).

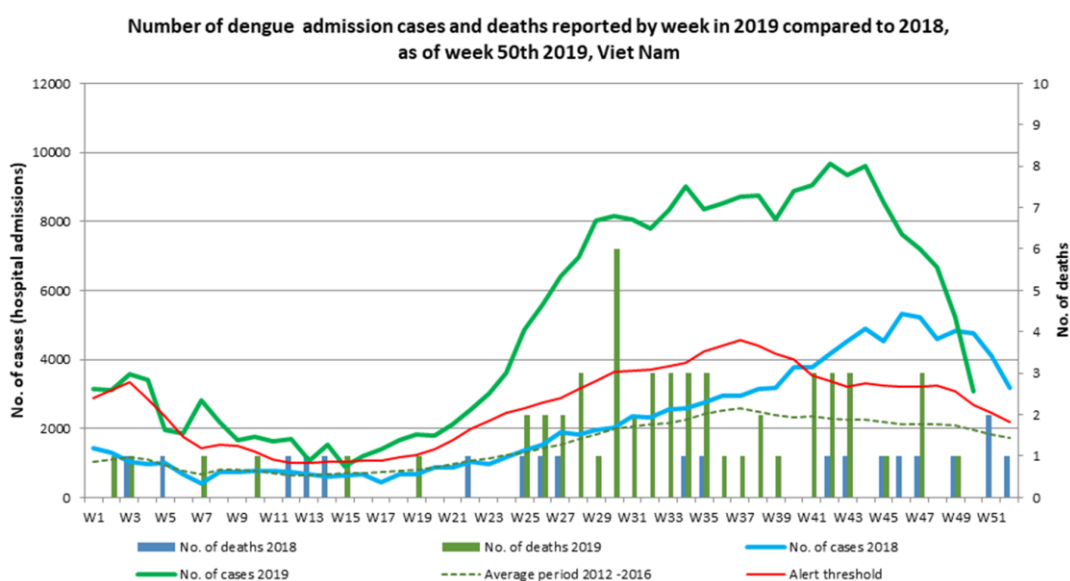


Figure 7: Dengue cases and deaths reported weekly in 2018-2019, General Department of Preventive Medicine, Ministry of Health, Viet Nam

Southern Hemisphere

Australia

As of 15 January 2020, a total of 8 dengue cases have been reported since the beginning of 2020 in Australia, which is lower compared to the same period in 2018 and 2019. There has been a decreasing monthly trend since May and numbers remain within previous seasonal trends in 2019 (Figure 8).

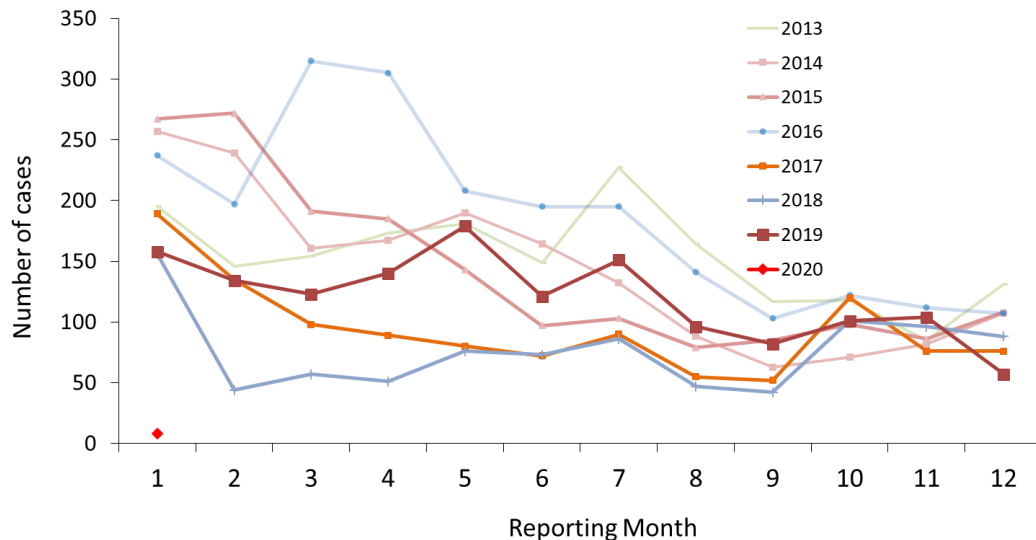


Figure 8: Laboratory-confirmed dengue cases reported monthly in 2014-2020, Department of Health, Australia

Pacific Islands Countries

French Polynesia

During weeks 51 and 52 in 2019, there were 55 DENV-2 and 14 untyped dengue cases reported. An outbreak of DENV-2 was declared on 15 April 2019 in Tahiti and a total of 2,428 indigenous cases of DENV-2 have been reported from week 6 to week 52. There have also been a total of 709 additional cases of DENV-1 or untyped dengue (Figure 9).

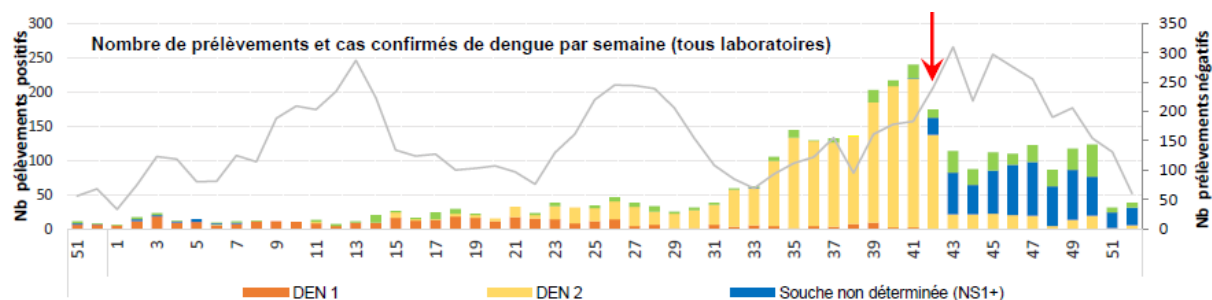


Figure 9: Samples and confirmed cases of dengue reported weekly in 2018-2019, Centre for Occupational Health and Public Safety, French Polynesia

New Caledonia

As of 31 December 2019, there have been a total of 3,916 dengue cases including two deaths reported since the beginning of 2019 (Figure 10). The number of clinically-diagnosed and confirmed cases reported weekly remains low and the epidemic was official declared over during week 34. Of the 319 samples serotyped in 2019, 316 are DENV-2 and there have been two imported cases including one DENV-1 and one DENV-4. From 1 to 14 January 2020, there have been a total 3 dengue cases including 2 cases reportedly imported from French Polynesia.

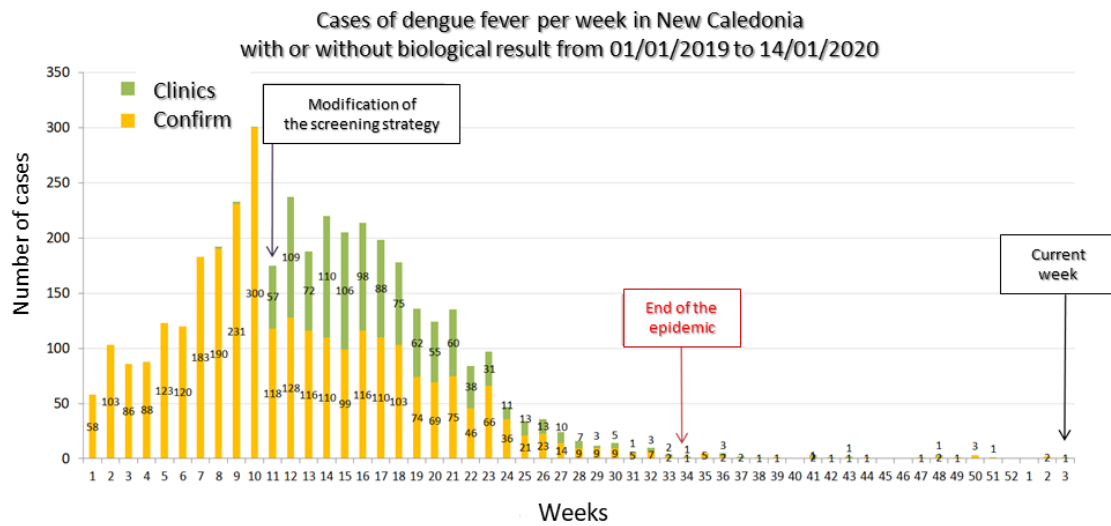


Figure 10: Syndromic and confirmed dengue cases reported by week in 2019-2020, Network of sentinel physicians, New Caledonia