

Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia

In week 1 to 3, 2019, the weekly number of suspected cases reported kept the equivalent level compared to the previous year (Figure 1).

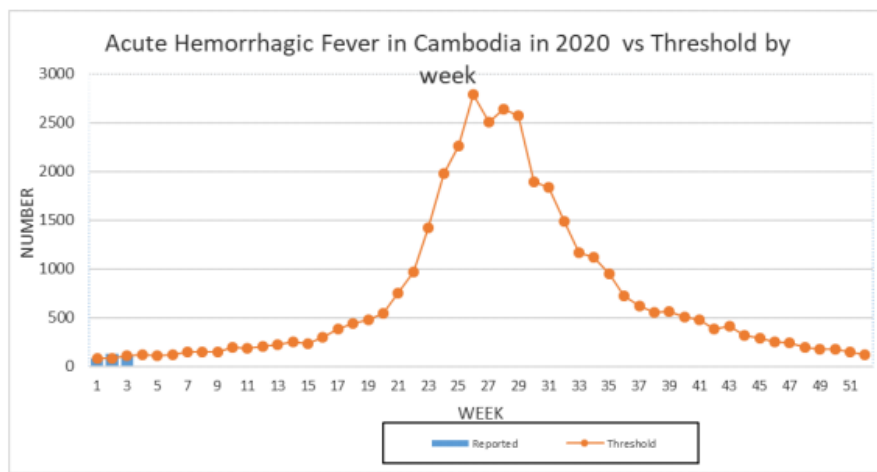


Figure 1: Dengue cases reported weekly in 2020
Ministry of Health, Cambodia

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).

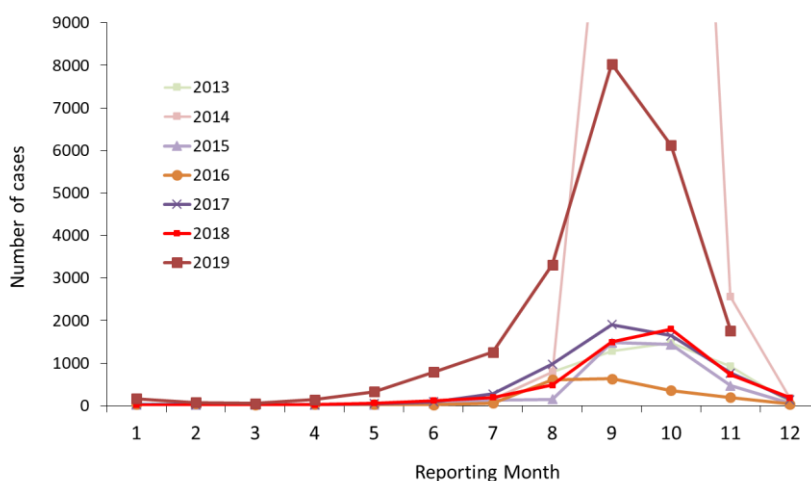


Figure 2: Dengue cases reported monthly in 2013-2019,
National Health Commission, China

Lao PDR

During week 4, 2020, a total of 59 dengue cases were reported in Lao PDR bringing the cumulative total number of 214 dengue cases this year without death (Figure 3). The number of weekly reported cases slightly increased compared to previous week (58 cases in week 3 in 2020).

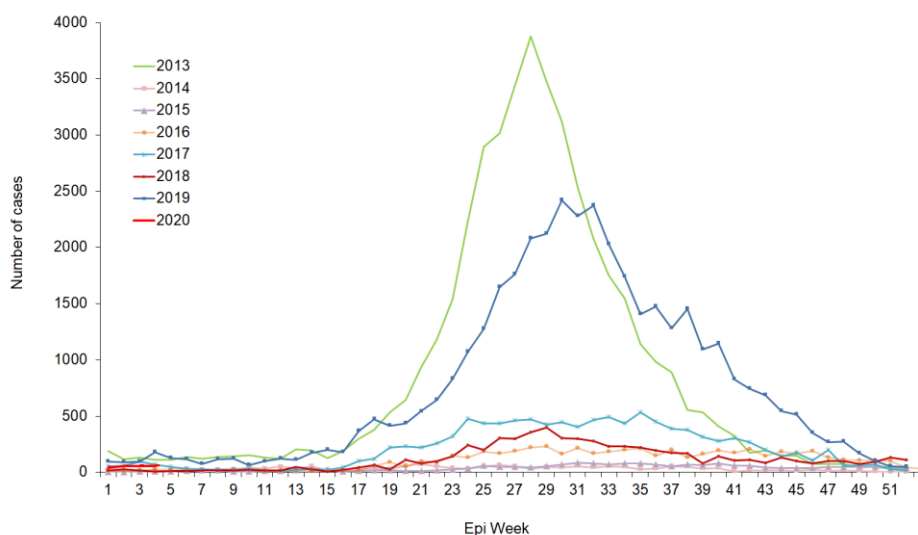


Figure 3: Dengue cases reported weekly in 2013-2020, National Centre for Laboratory and Epidemiology, Ministry of Health, Lao PDR

Malaysia

During week 3, 2020, a total of 3,387 dengue cases with four deaths were reported in Malaysia. There has been a 4.6% increase in 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 2019 to 18 January 2020 was 9,464 cases, including 13 deaths. This is slightly higher compared to the 9,119 cases reported during the same period last year.

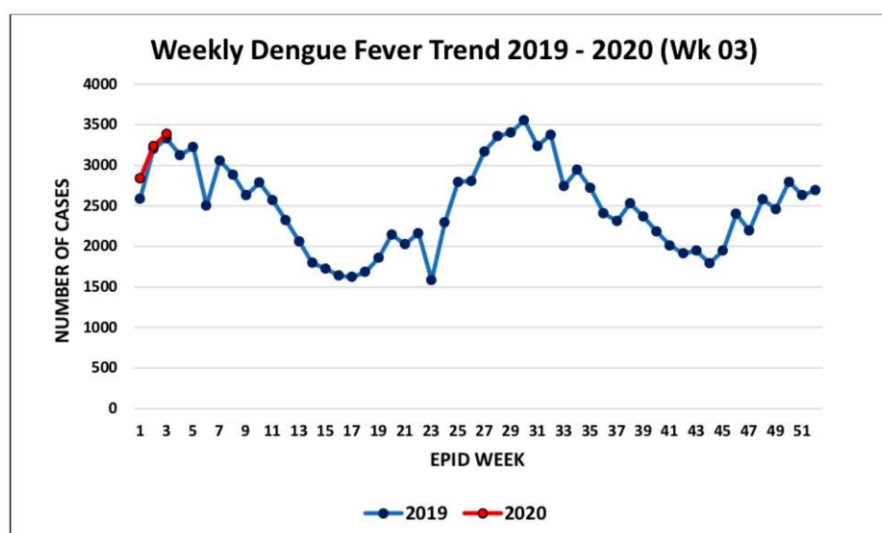


Figure 4: Dengue cases reported weekly in 2019 and 2020, Department of Health, Malaysia

Philippines

During week 2, 2020, a total of 3,343 dengue cases including 11 deaths (CFR 0.3%) were reported nationwide. As of 11 January 2020, the cumulative number of cases was 6,551 including 21 deaths. This is 51% lower as compared to 13,415 cases of same period in 2019.

Singapore

In week 2, 2020, 343 dengue cases were reported in Singapore, which is an increase compared to the previous week (Figure 6). A total of 647 cases have been reported to date in 2020, which remains higher than the same period in 2018 and 2019, but within previously experienced levels.

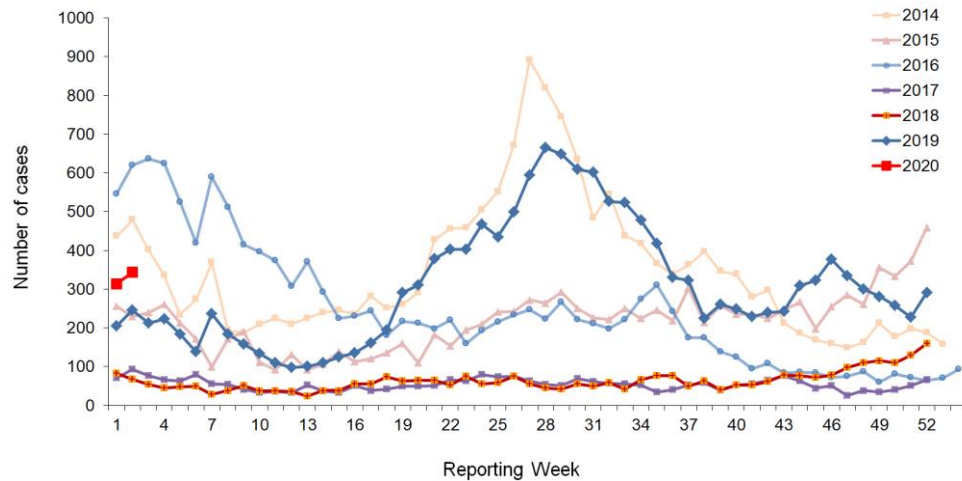


Figure 6: Dengue cases reported weekly in 2014-2020, Communicable Diseases Division, Ministry of Health, Singapore

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).

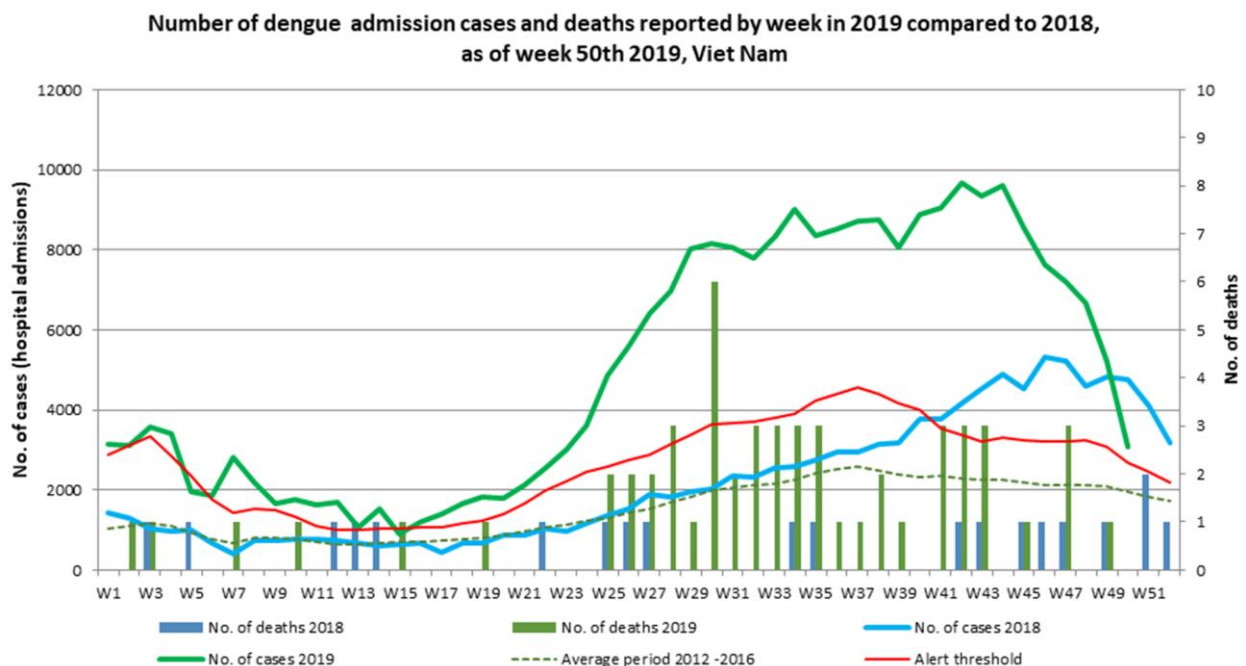


Figure 7: Dengue cases and deaths reported weekly in 2018-2019, General Department of Preventive Medicine, Ministry of Health, Viet Nam

Southern Hemisphere

Australia

As of 28 January 2020, a total of 29 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 2019 and numbers remain within previous seasonal trends in 2019 (Figure 8).

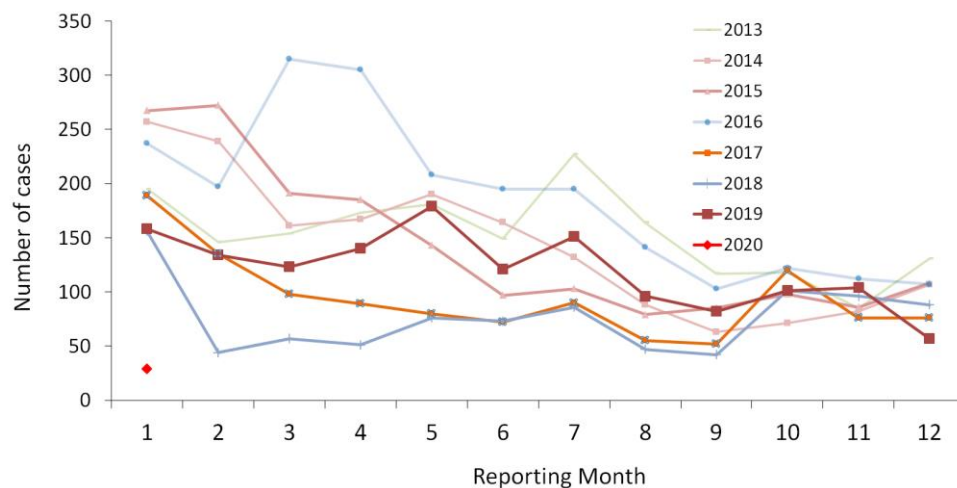


Figure 8: Laboratory-confirmed dengue cases reported monthly in 2013-2020, Department of Health, Australia

Pacific Islands Countries

French Polynesia

During week 1 and 2 in 2020, there were 74 DENV-2 and 61 untyped dengue cases reported. An outbreak of DENV-2 was declared on 15 April 2019 in Tahiti and a total of 2,497 indigenous cases and two imported cases of DENV-2 have been reported from week 6 2019 to week 2 2020. There have also been a total of 753 additional cases of DENV-1 or untyped dengue (Figure 9).

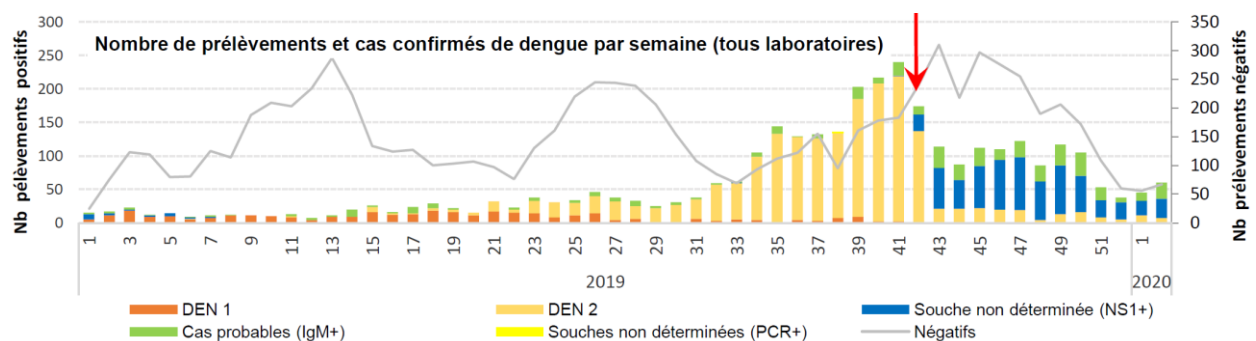


Figure 9: Samples and confirmed cases of dengue reported weekly in 2019-2020, Centre for Occupational Health and Public Safety, French Polynesia

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 2019. Of the 319 samples serotyped in 2019, 316 are DENV-2 and there have been three imported cases including two DENV-1 and one DENV-4. From 1 to 20 January 2020, there have been a total of four dengue cases imported from French Polynesia, including three DENV-2 cases.

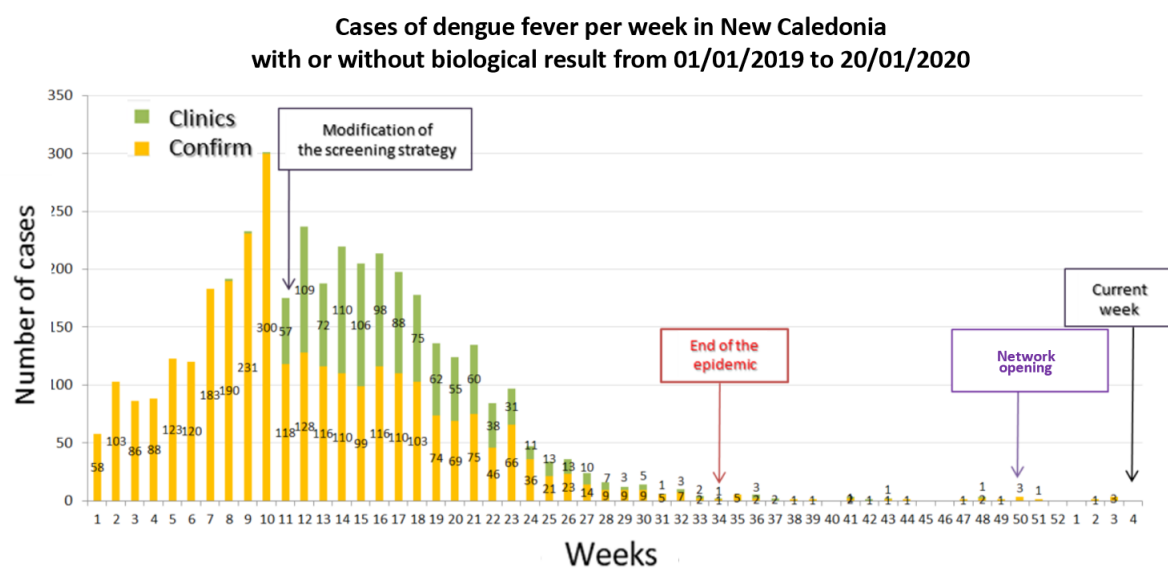


Figure 10: Syndromic and confirmed dengue cases reported by week in 2019-2020, Network of sentinel physicians, New Caledonia