

Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia

In week 47, 2019, a total of 231 dengue cases were reported to the Cambodia National Dengue Surveillance System. The number of suspected cases reported in week 47 decreased compared to the previous week. Weekly number of reported cases shows decreasing trend since week 29 (Figure 1).

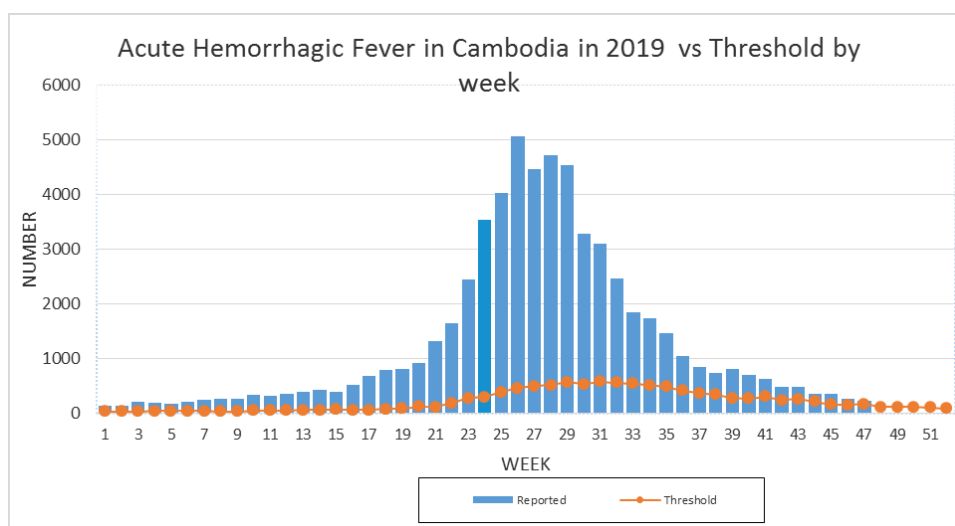


Figure 1: Dengue cases reported weekly in 2019
Ministry of Health, Cambodia

China

In October 2019, 6,120 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 an decreasing trend since September (Figure 2).

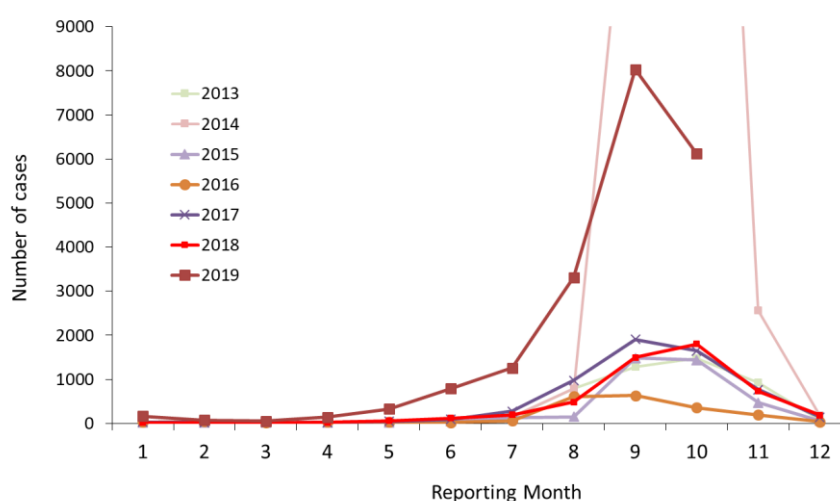


Figure 2: Dengue cases reported monthly in 2013-2019,
National Health Commission, China

Lao PDR

During week 49 in 2019, a total of 171 dengue cases were reported in Lao PDR bringing the cumulative number of dengue cases this year to 38,753 including 70 deaths (Figure 3). The number of weekly reported cases decreased compared to previous week (276 cases in week 48) but remains above the number of cases reported in recent years.

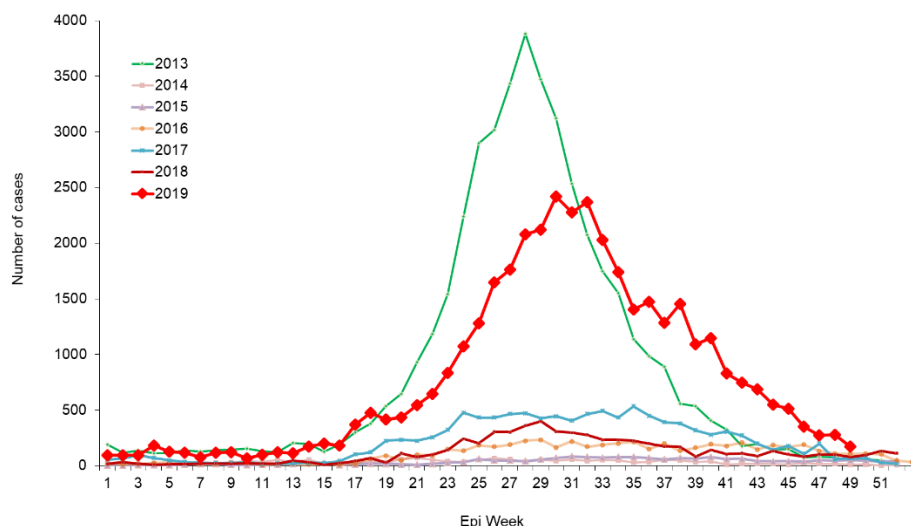


Figure 3: Dengue cases reported weekly in 2013-2019,
National Centre for Laboratory and Epidemiology, Ministry of Health, Lao PDR

Malaysia

During week 50, 2019, a total of 2,794 dengue cases with three deaths were reported in Malaysia. There has been a 13.6% increase this week compared to the previous week. The weekly number reported is higher than that reported during the same period last year (Figure 4). The cumulative number of cases reported from January until 14 December 2019 was 124,777 cases, including 174 deaths. This is higher compared to the 75,612 cases with 135 deaths reported during the same period last year.

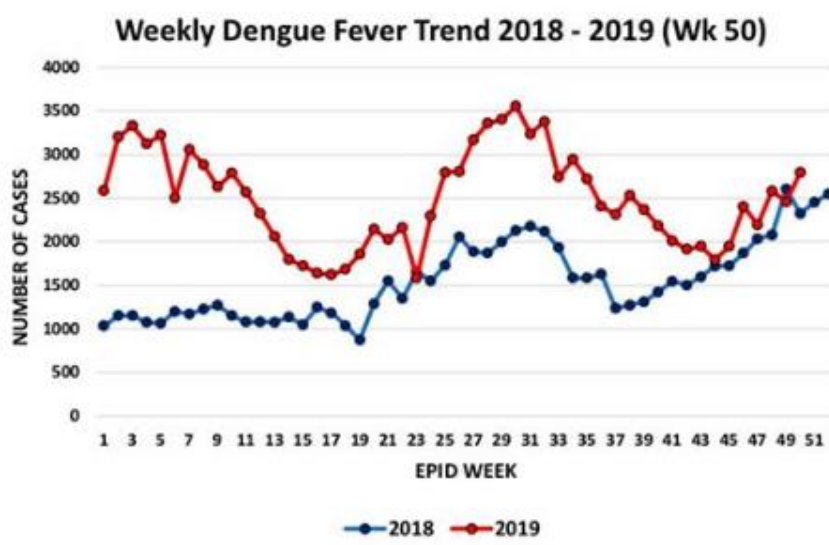


Figure 4: Dengue cases reported weekly in 2018 and 2019,
Department of Health, Malaysia

Philippines

During week 48, 2019, a total of 3,282 dengue cases were reported nationwide. As of 30 November 2019, the cumulative number of cases was 414,532 including 1,546 deaths. This is higher compared to 222,849 cases including 1,122 deaths reported during the same period in 2018.

Singapore

In week 49, 2019, there were 281 dengue cases reported in Singapore, which is decreased compared to week 48 (Figure 6). A total of 15,142 cases have been reported to date in 2019, which remains higher than the same period in 2017 and 2018 but within previously experienced levels.

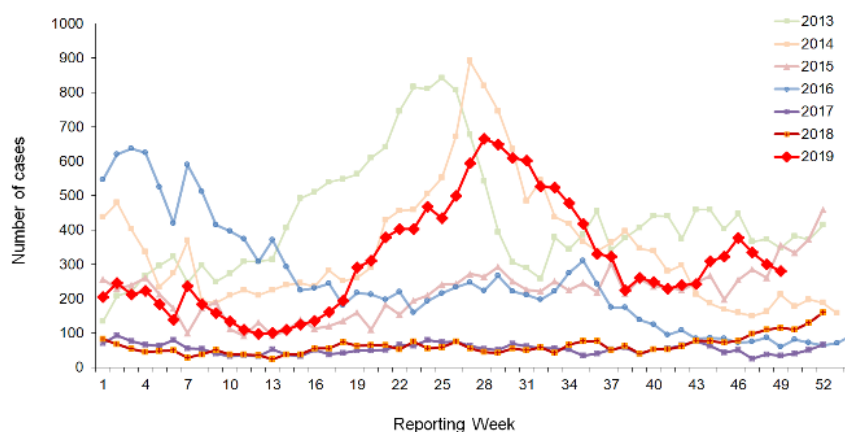


Figure 6: Dengue cases reported weekly in 2013-2019, Communicable Diseases Division, Ministry of Health, Singapore

Viet Nam (No update)

During week 41 of 2019, there were 9,355 dengue cases including 2 deaths reported. Of the reported cases, there were 7,627 hospital admissions (81.5%). Compared to previous week, number of cases slightly decreased but remains well above seasonal levels. Since 1 January 2019, there have been a total of 241,863 cases with 43 deaths reported, a 3.1-fold increase compared to the same period in 2018 of 78,649 cases including 11 deaths (Figure 7).

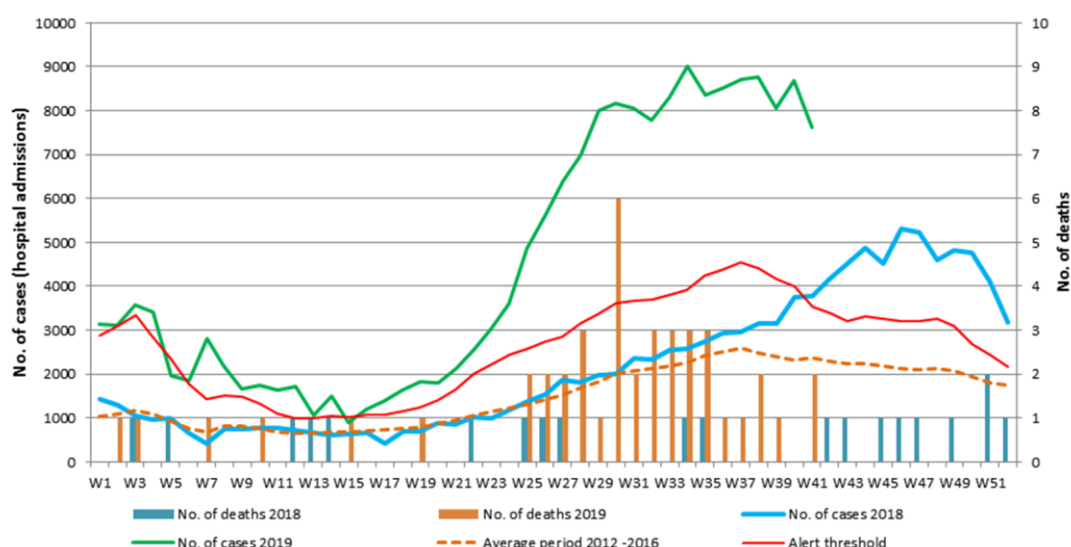


Figure 7: Dengue cases and deaths reported weekly in 2018-2019, General Department of Preventive Medicine, Ministry of Health, Viet Nam

Southern Hemisphere

Australia

As of 18 December 2019, a total of 1,378 dengue cases have been reported since the beginning of 2019 in Australia, which is higher compared to the same period in 2017 and 2018. There has been a decreasing monthly trend since May and numbers remain within previous seasonal trends (Figure 8).

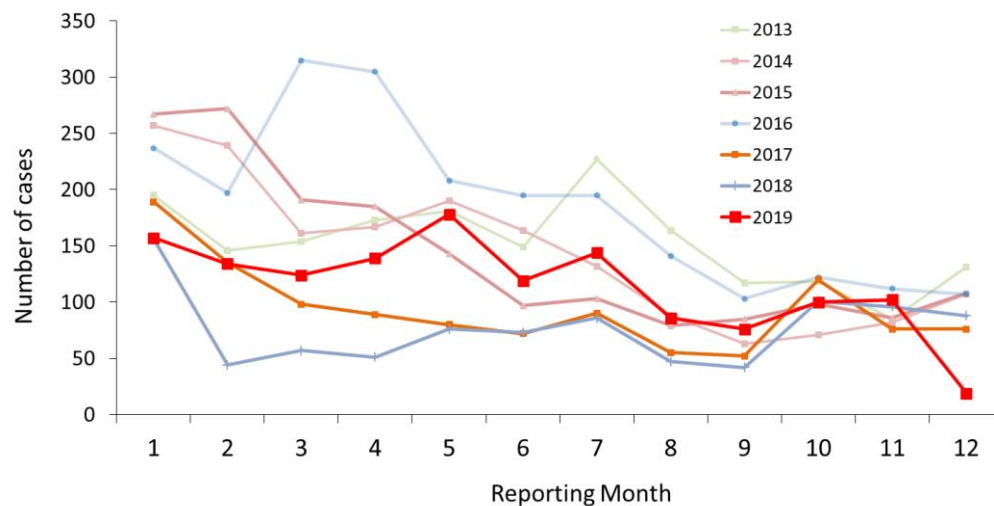


Figure 8: Laboratory-confirmed dengue cases reported monthly in 2013-2019, Department of Health, Australia

Pacific Islands Countries

French Polynesia

During weeks 47 and 48 in 2019, there were 161 DENV-2 and 49 untyped dengue cases reported. An outbreak of DENV-2 was declared on 15 April 2019 in Tahiti and a total of 2,212 indigenous cases of DENV-2 have been reported from week 6 to week 48. Among these, most cases have been reported from Tahiti (1,776) followed by Moorea (105). There have also been a total of 620 additional cases of DENV-1 or untyped dengue (Figure 9).

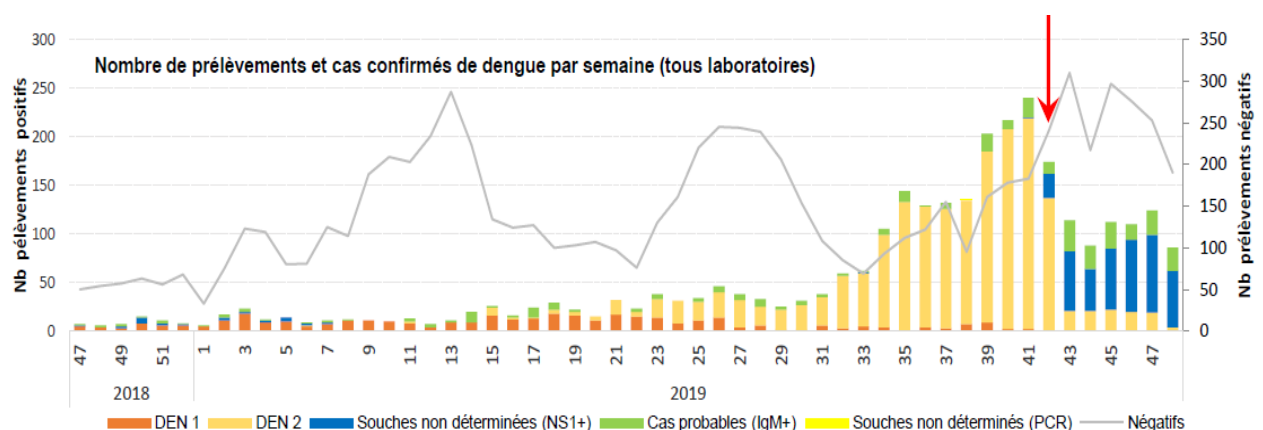


Figure 9: Samples and confirmed cases of dengue reported weekly in 2018-2019, Centre for Occupational Health and Public Safety, French Polynesia

New Caledonia

As of 17 December, there have been a total of 3,914 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.

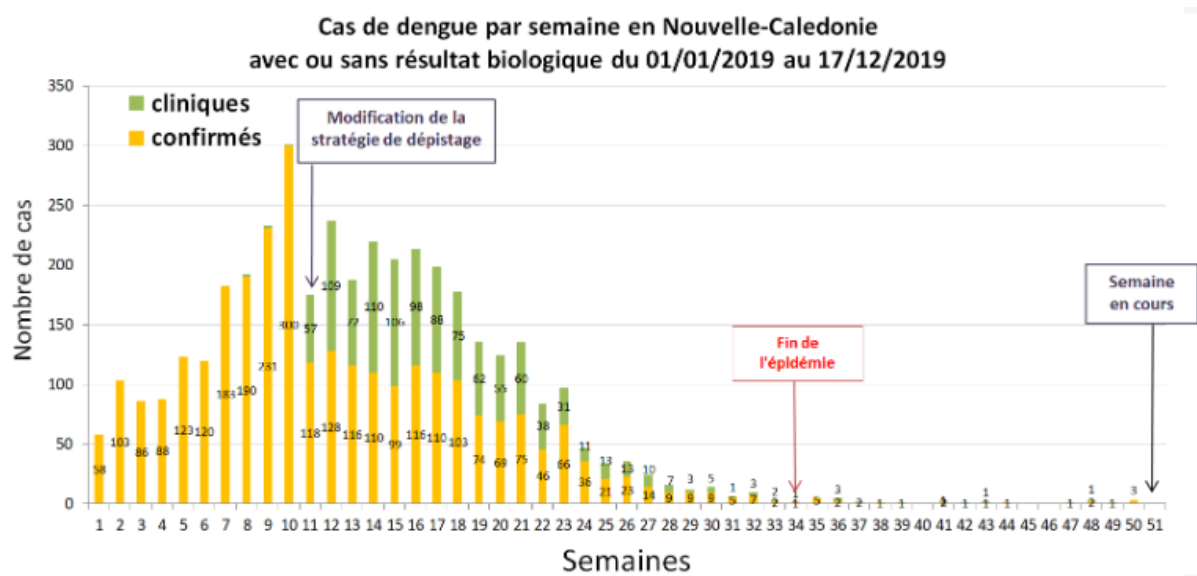


Figure 10: Syndromic and confirmed dengue cases reported by week in 2018-2019, Network of sentinel physicians, New Caledonia