



Regional dengue activity is variable. The recent trend for dengue declined in all countries except Singapore. Dengue activity in Malaysia appears to be declining however the number of cases in 2014 was higher compared to 2013, for the same time period.

Dengue virus infection in the Pacific Region

High level of dengue activity is being observed in a number of Pacific Island Countries and Areas. Dengue virus serotype 3 (DENV-3), to which a large proportion of the population of the Pacific Islands is likely to be susceptible has been recently isolated in the Region and is now co-circulating with serotype 1 (DENV-1). DENV-3 has recently re-emerged in several countries and territories in the South Pacific after nearly 20 years. WHO is closely monitoring the situation in the Region, especially with regard to serotype circulation.

In **French Polynesia**, the dengue epidemic continues. As of 17 April 2014 the total number of positive cases of dengue reported since February 2013 is 1,950. Of the 33 samples tested (PCR) in March; 32 were dengue serotype-1 and one was dengue serotype-three.

In **Nauru**, an increase in dengue-like illness including 3 cases from the detention centre.

In **Tuvalu**, a dengue outbreak is occurring with 22 confirmed cases out of 98 dengue-like illness (DLI cases), as of 24 April 2014.

In **Vanuatu**, the dengue situation appears to be easing with 5 cases reported for the week ending 20 April 2014. A total of 1561 dengue cases have been reported since the start of the outbreak in the first week of January.

Zika virus infection in the Pacific region

Recently, a number of islands and territories have detected zika virus.

In **French Polynesia**, there were 8,700 suspected cases of zika virus infection reported by the health professionals sentinel network since early October 2013. It appears that the end of the zika epidemic has been reached.

In **Cook Islands**, an outbreak of zika virus has been declared by health authorities. As of 20 April, 2014, there have been 888 cases of dengue-like illness, including 29 cases for the week ending 20 April 2014.

Zika virus infection is usually a mild disease; no hospitalizations directly related to acute infection have been reported. However, recently, a more severe single case of zika

infection complicated by dengue co-infection has been reported in French Polynesia (<http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=20720>). Hence, disease severity and clinical presentation in zika infections need to be monitored closely; further, the results of studies examining the impact of underlying dengue infection for zika clinical disease severity need to be considered for assessing the overall public health risk of zika infection.

Table. Reported number of dengue cases in 2014 and 2013 (for the same time period), by country* NA: Not applicable

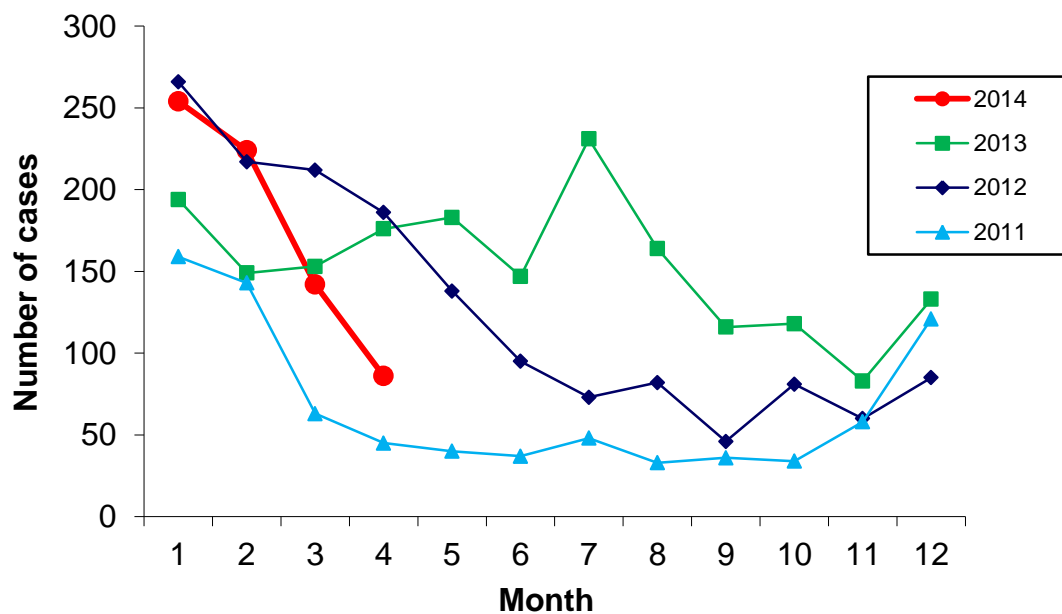
	Recent trend**	No. reported cases per latest reporting period (week (w) or month (m))	Reporting Period	No. reported cases per same reporting period in 2013 (week (w) or month (m))	Cumulative No. reported cases (deaths)		2014 /2013 ratio
					2014	2013	
Australia***	↓	86/m	Apr	174/m	706(NA)	670 (NA)	1.0
Cambodia	↓	20/w	16-22 Apr	160/w	300 (1)	1 939 (14)	0.2
Lao PDR	↓	23/w	19-25 Apr	302/w	441 (0)	2 835 (10)	0.2
Malaysia	↓	1252 /w	13-19 Apr	422/w	28 814 (66)	7 412 (14)	3.9
Philippines	↓	34/w	20-26 Apr	1 655/w	18 661 (80)	38 087(161)	0.5
Singapore	↑	282/w	20-26 Apr	538/w	4 779(NA)	5 347(NA)	0.9
Viet Nam	↓	1 447/m	February	7 519/m	3 820 (2)	7 519 (9)	0.5
New Caledonia	↓	20 /w	22-28 Apr	630/w	222 (NA)	8 113 (NA)	0.03

*Dengue reporting systems vary by country and any change in the surveillance system over time is not reflected in the above figures. Number of reported cases listed for 2014 and 2013 are for the same time period for each year.

**Recent trend is based on the 3 week moving average for countries reporting by week and monthly comparisons for the last complete month for countries reporting by month.

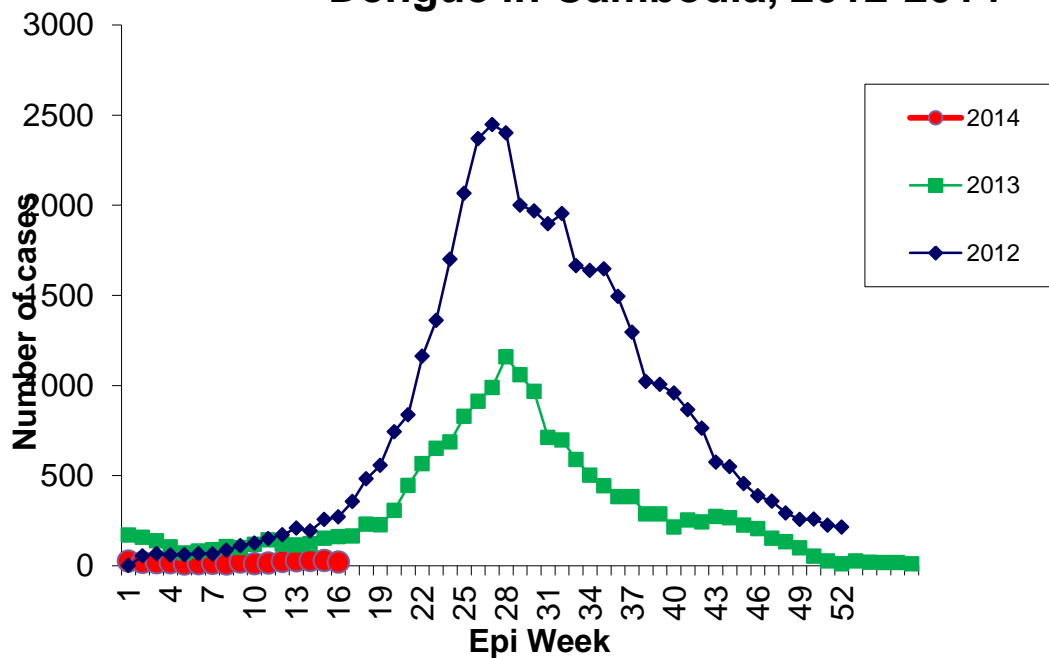
***Australia: *Aedes aegypti* and *Aedes albopictus* are present only in Northern Queensland and Torres Strait Islands.

Dengue in Australia, 2011-14



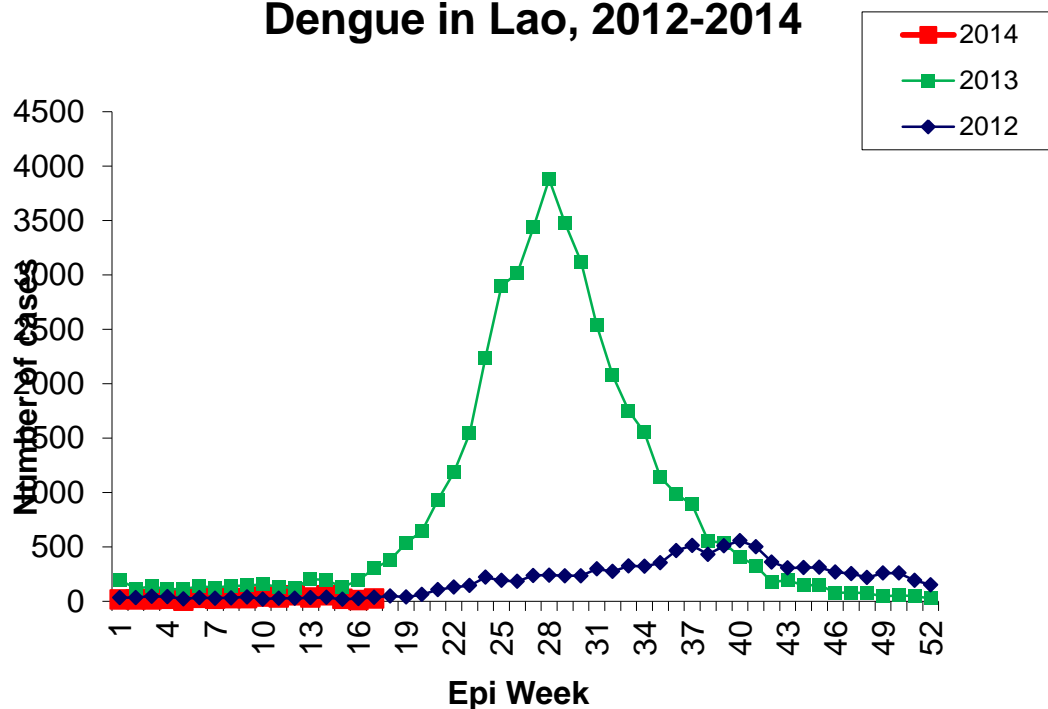
Australia up to April 2014 (Source: Dept of Health)

Dengue in Cambodia, 2012-2014



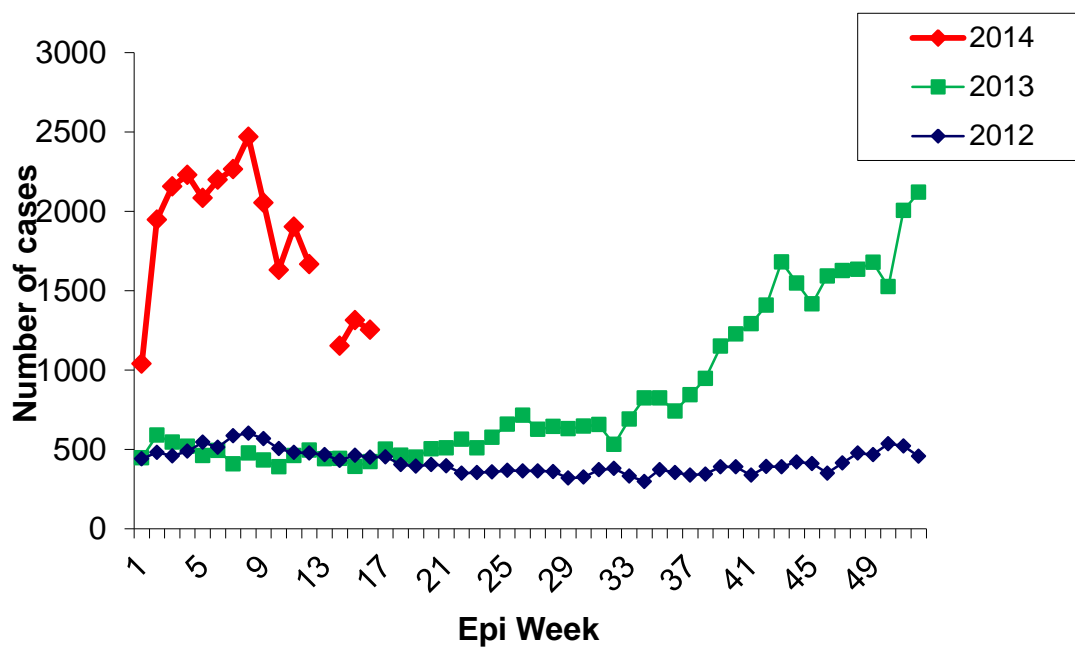
Cambodia up to 22 April 2014 (Source: Ministry of Health)

Dengue in Lao, 2012-2014



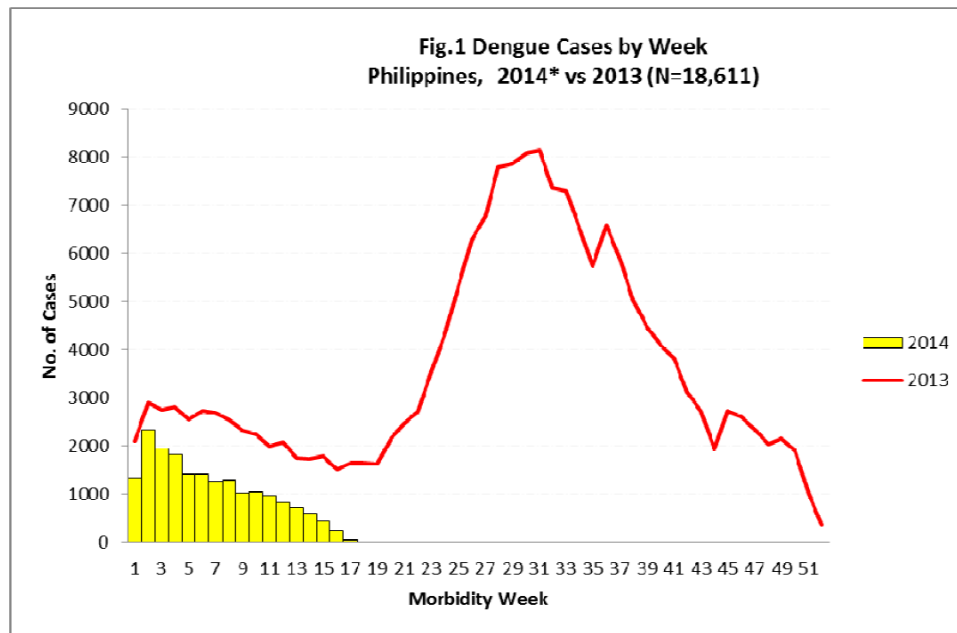
Lao PDR up to 25 April 2014 (Source: Ministry of Health)

Dengue in Malaysia, 2012-2014



(Source: National Center for Laboratory and Epidemiology, Ministry of Health)

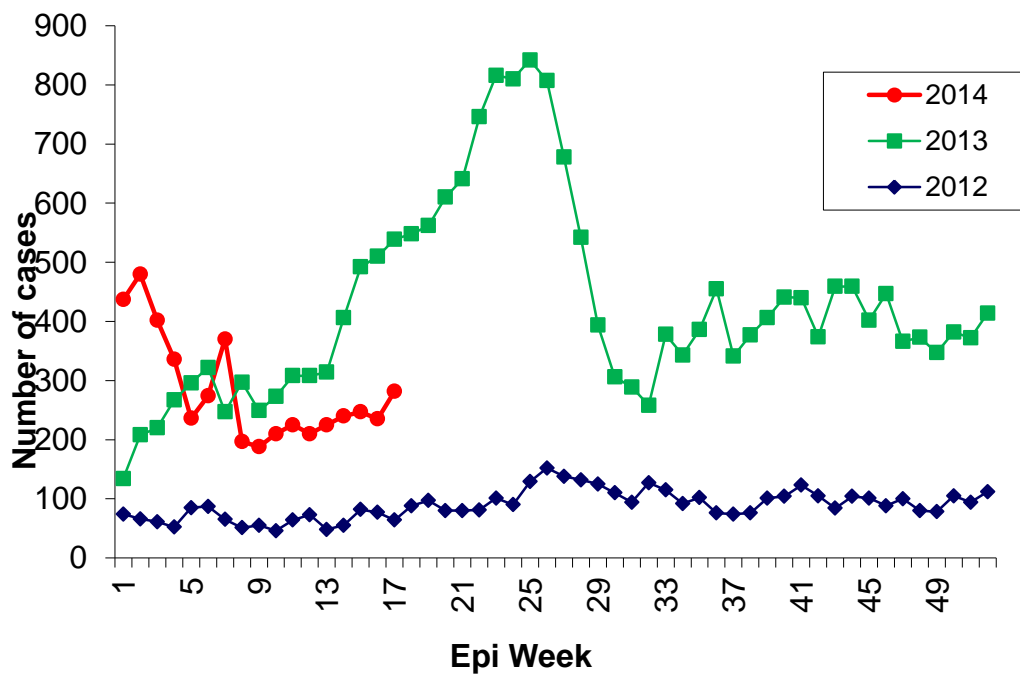
Malaysia up to 19 April 2014 (Source: Ministry of Health)



*partial data

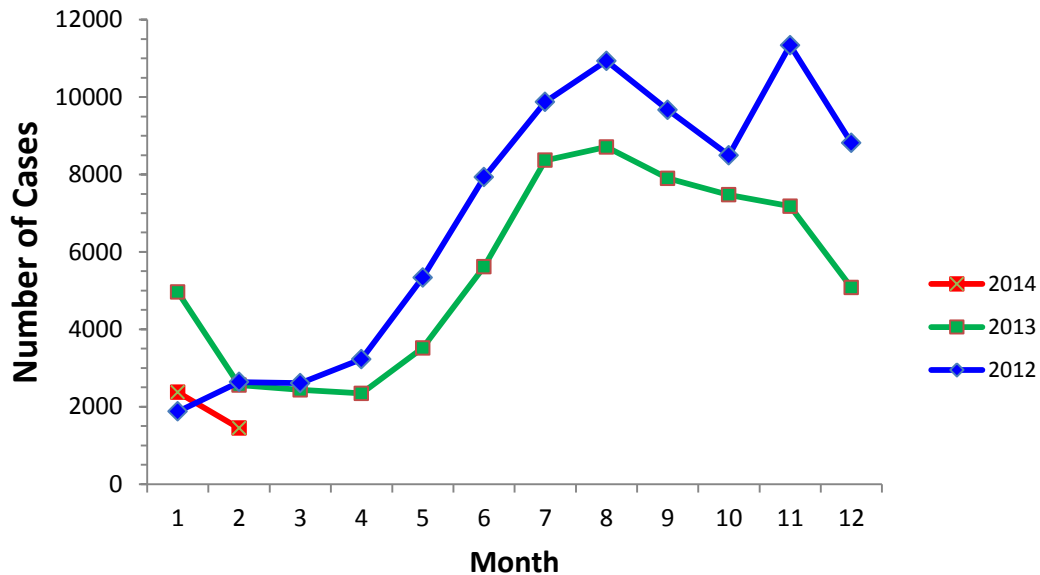
Philippines up to 26 Apr 2014*
(Source: Department of Health National Epidemiology Center)

Dengue in Singapore, 2012-2014



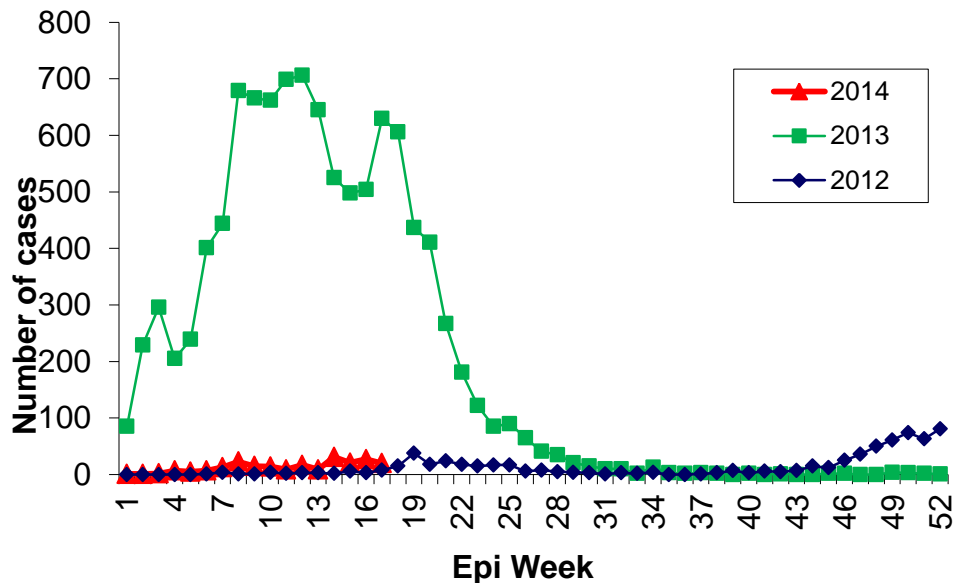
Singapore up to 26 April 2014 (Source: Ministry of Health)

Dengue in Viet Nam, 2012-2014



Viet Nam up to February 2014 (Source: Ministry of Health)

Dengue in NEC, 2012-2014



New Caledonia up to 28 April 2014
(Source: Pacific Public Health Surveillance Network)