



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

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 02 May 2014 the total number of positive cases of dengue reported since February 2013 is 2,023

In **Solomon Islands**, the dengue epidemic continues. From 1 January to 9 May 2014, 1225 suspected cases have been reported in Solomon Islands and of these 195 have tested positive (RDT – NS1 and/or IgM). 115 suspected cases were reported during the reporting week; of these 18 cases tested positive. This represents a decrease from the 199 suspected and 31 test-positive cases from last week. The majority of the suspected cases were from Honiara (79%).

Tuvalu is experiencing a dengue outbreak. As of 13 May 2014, 176 suspected cases have been reported with sixty-nine rapid test positives (66 NS1 and 3 IgM). Response measures have been carried out and this includes: cleaning campaigns, spraying and live radio programs.

Zika virus infection in the Pacific region

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

In **Cook Islands**, the outbreak is largely over. Only five new cases were reported this week. The total number of suspected cases since the beginning of the outbreak (13 February, 2014) is 923.

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

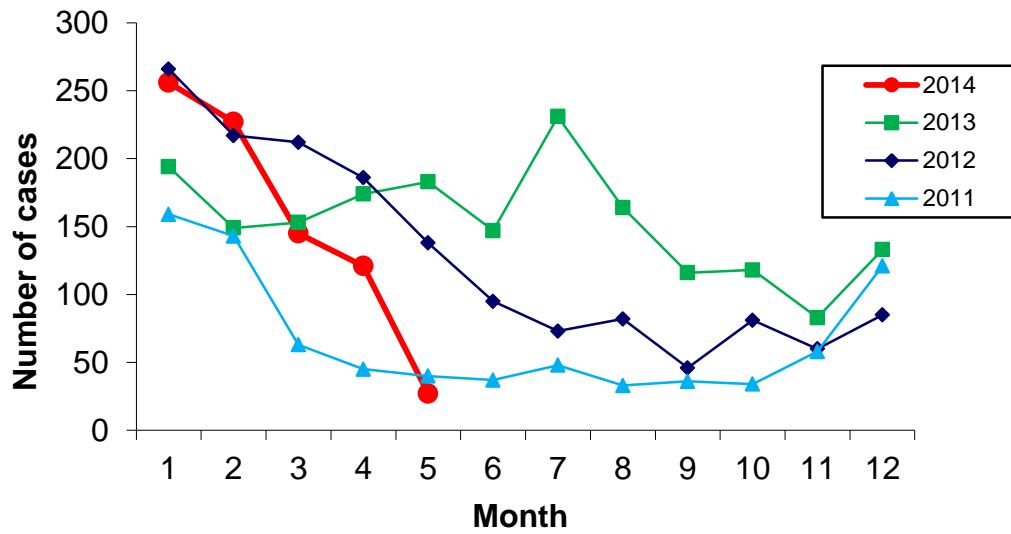
	Recent trend**	Reporting Period	No. reported cases per latest reporting period		Cumulative No. reported cases (deaths)		2014/2013 ratio
			2014	2013	2014	2013	
Australia***	↓	May	27	183	776(NA)	853 (NA)	0.9
Cambodia	↓	7-13 May	39	227	425 (1)	2,559 (15)	0.1
Lao PDR	↓	5-9 May	29	535	527 (0)	3,552 (10)	1.0
Malaysia	↓	27 Apr – 3 May	1,133	463	30,921 (67)	8,375 (15)	2.5
Philippines	↓	27 Apr-3 May	69	1,635	19,406 (81)	39,722 (167)	0.04
Singapore	↑	4-10 May	261	558	5,298(NA)	6,481(NA)	0.5
Viet Nam	↓	March	1,239	2,434	3,820 (2)	9,953 (10)	0.3
New Caledonia	↓	9-16 Mar	7	411	276(NA)	9,567 (NA)	0.02

*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.

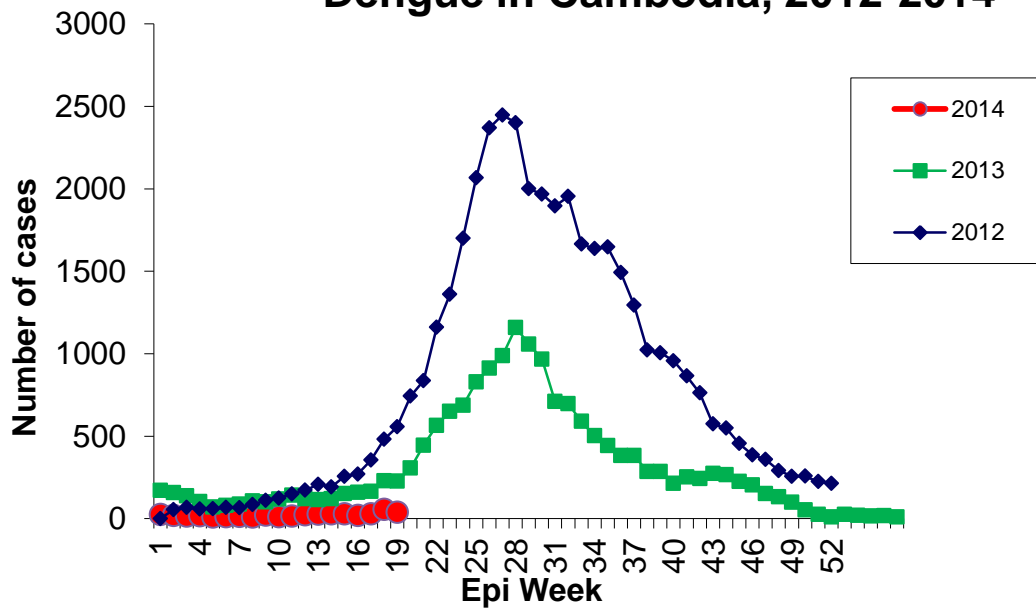
***Australia: *Aedes aegypti* and *Aedes albopictus* are present only in Northern Queensland and Torres Strait Islands.

Dengue in Australia, 2011-14



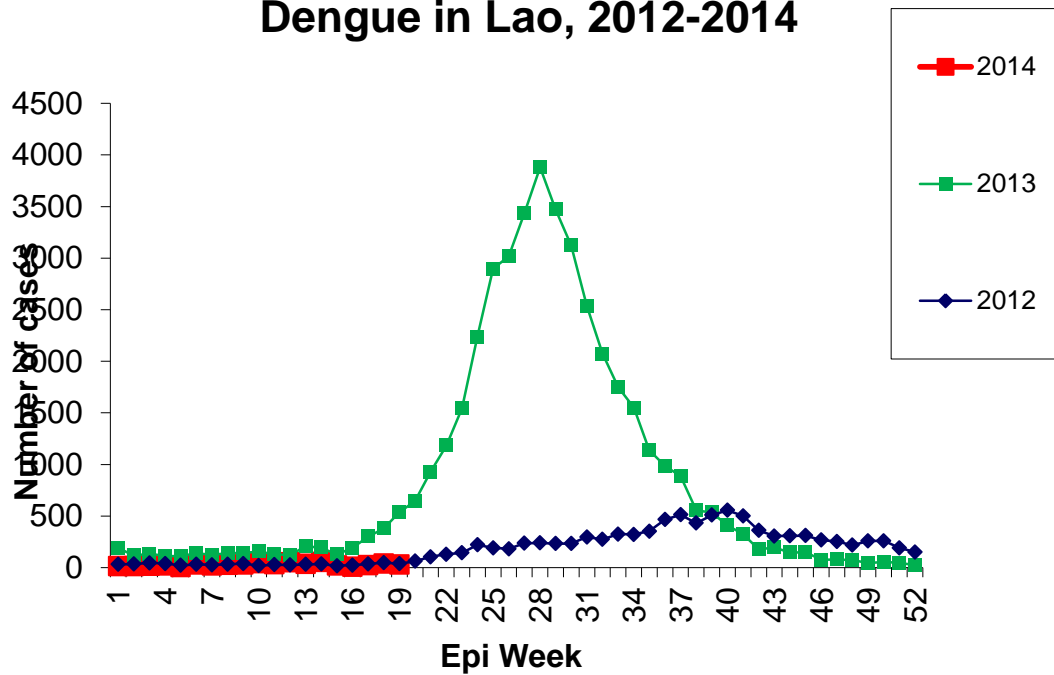
Australia up to May 2014 (Source: Dept of Health)

Dengue in Cambodia, 2012-2014



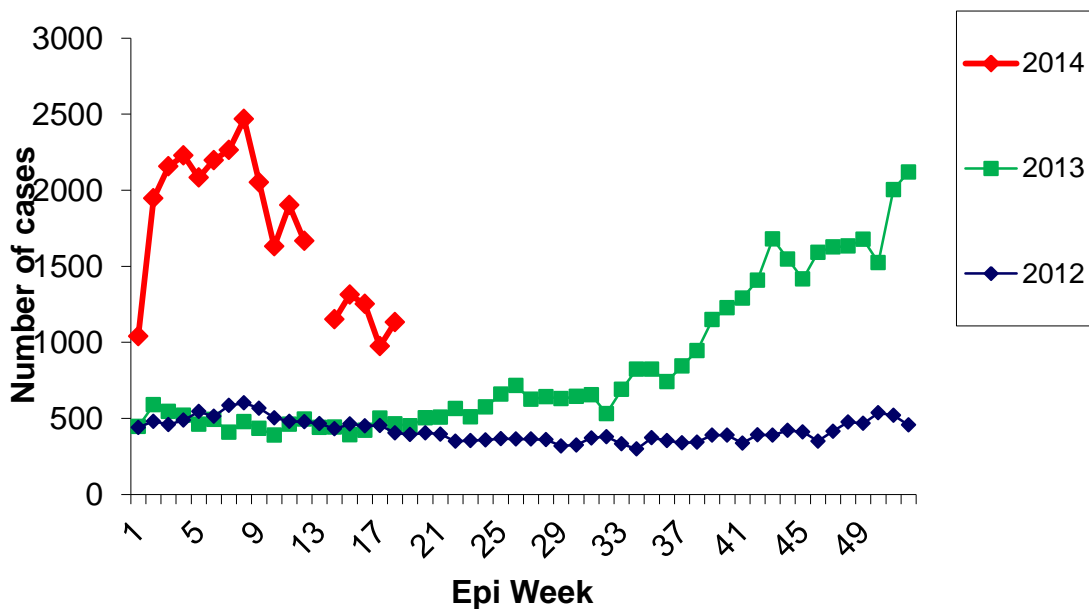
Cambodia up to 13 May 2014 (Source: Ministry of Health)

Dengue in Lao, 2012-2014



Lao PDR up to 9 May 2014 (Source: Ministry of Health)

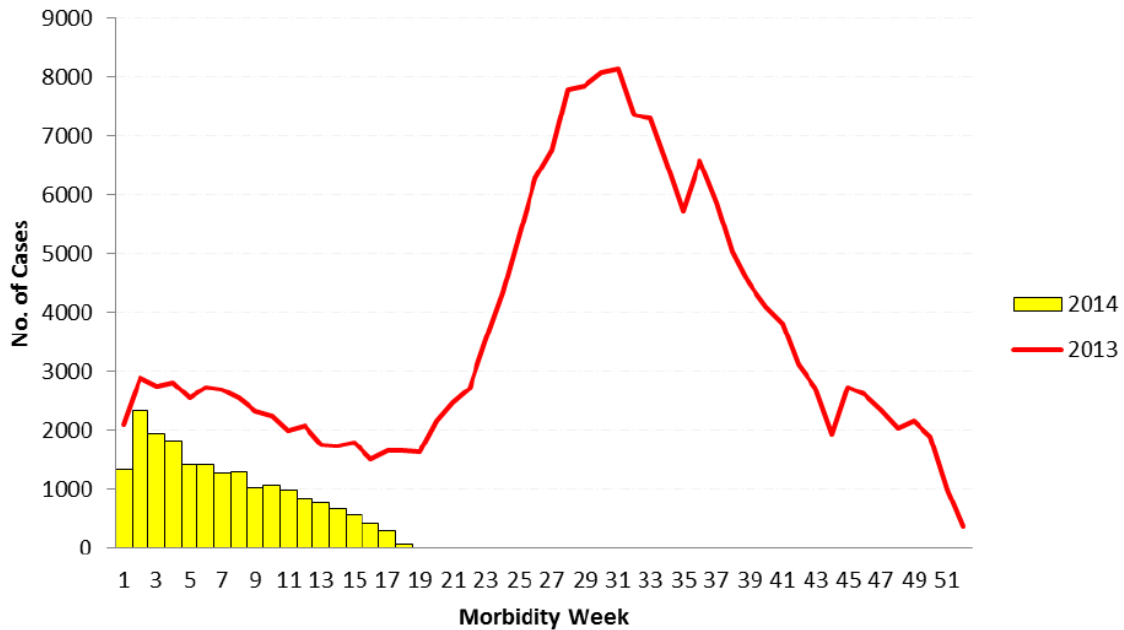
Dengue in Malaysia, 2012-2014



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

Malaysia up to 3 May 2014 (Source: Ministry of Health)

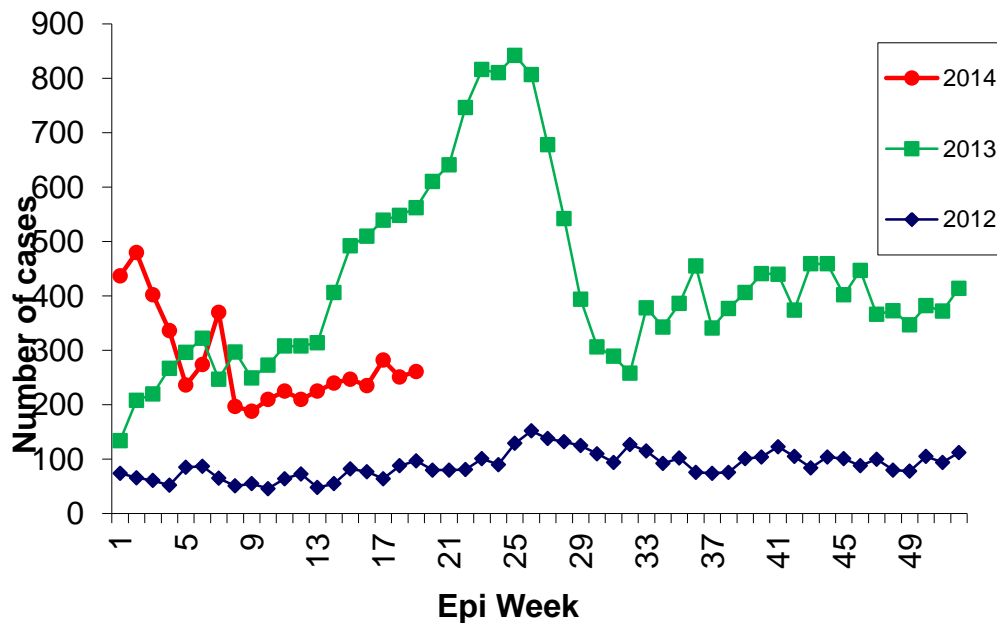
**Fig.1 Dengue Cases by Week
Philippines, 2014* vs 2013 (N=19,406)**



*partial data

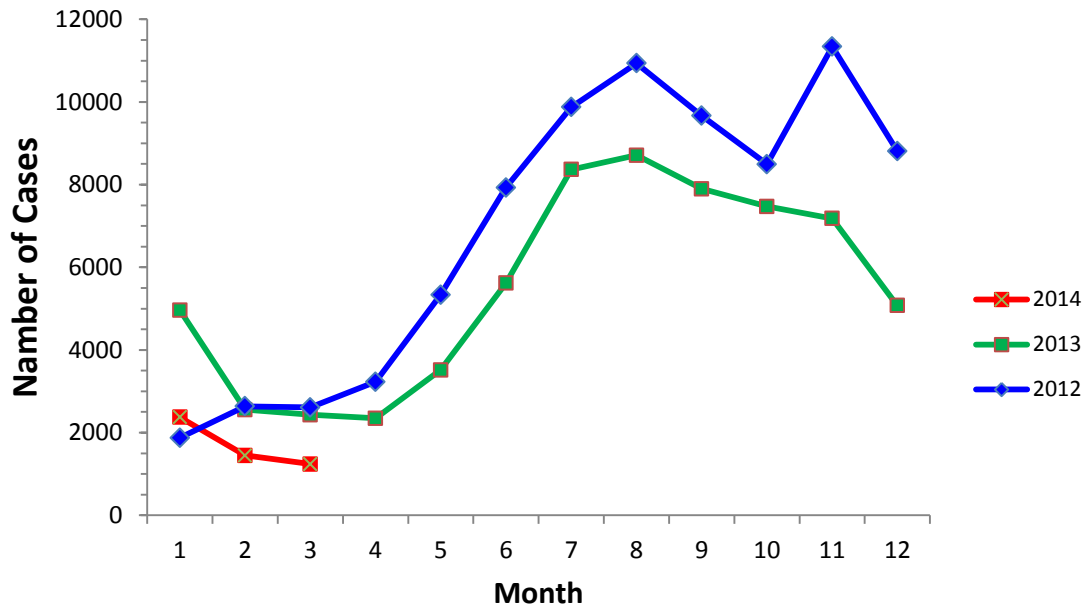
Philippines up to 3 May 2014*
(Source: Department of Health National Epidemiology Center)

Dengue in Singapore, 2012-2014



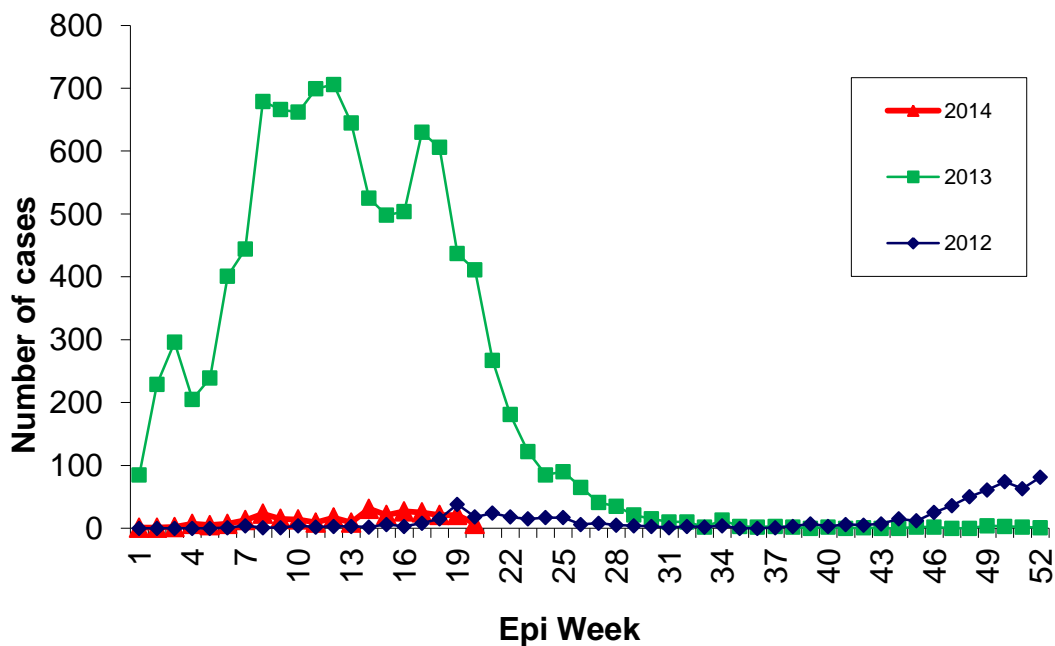
Singapore up to 10 May 2014 (Source: Ministry of Health)

Dengue in Viet Nam, 2012-2013



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

Dengue in NEC, 2012-2014



New Caledonia up to 16 May 2014
(Source: Pacific Public Health Surveillance Network)