



Western Pacific Regional Office of the World Health Organization

WPRO Dengue Situation Update, 15 January 2014

http://www.wpro.who.int/emerging_diseases/DengueSituationUpdates/en/index.html

Regional dengue activity is variable. Lao PDR, Malaysia, Singapore and New Caledonia experienced a two-fold or greater number of reported cases in 2013 than 2012 for the same time period. The recent trend continued to decrease in Australia, Cambodia, Lao PDR and Philippines, and remains low in New Caledonia. French Polynesia, Malaysia, Singapore and Viet Nam however, continue to report sustained dengue activity.

Lao PDR experienced a large dengue year, characterized by rapid increase in the number of reported cases from around May to September, peaking in August 2013, followed by rapid decline with no fatal cases since Sep 2013. Cumulatively for 2013, there has been a greater than four-fold increase relative to 2012

Malaysia has also been experiencing a large dengue year, characterized by rapid increase in the number of reported cases since September, with highest levels to date in 2013 reported during the latest 2 weeks. Cumulatively for 2013, there has been a two-fold increase relative to 2012

Singapore has also been experiencing a large dengue year, characterized by rapid increase in the number of reported cases since early 2013, peaking in July. Dengue levels have been sustained since, with consistently higher levels than those reported in the last three years. Cumulatively for 2013, there has been almost a five-fold increase relative to 2012

In addition, dengue and other arboviruses continue to impact several Pacific Islands.

New Caledonia experienced a large dengue year, characterized by rapid increase in the number of reported cases since late 2012, followed by a decline in May and low levels since Aug 2013. **French Polynesia** has been experiencing increasing levels of dengue since mid-2013, with high levels sustained to date (more than 1000 cases reported in 2013). **Kiribati**, and more recently **Fiji**, have been seeing higher dengue activity since December 2013. In addition to dengue, Zika virus outbreak (first reported in the Pacific in 2007 from **Federated States of Micronesia**) is occurring concurrently in French Polynesia and Chikungunya virus outbreak (first reported in the Pacific in 2011 from New Caledonia) in Federated States of Micronesia.

Table. Reported number of dengue cases in 2013 and 2012 (for the same time period), by country.* NA: Not applicable.

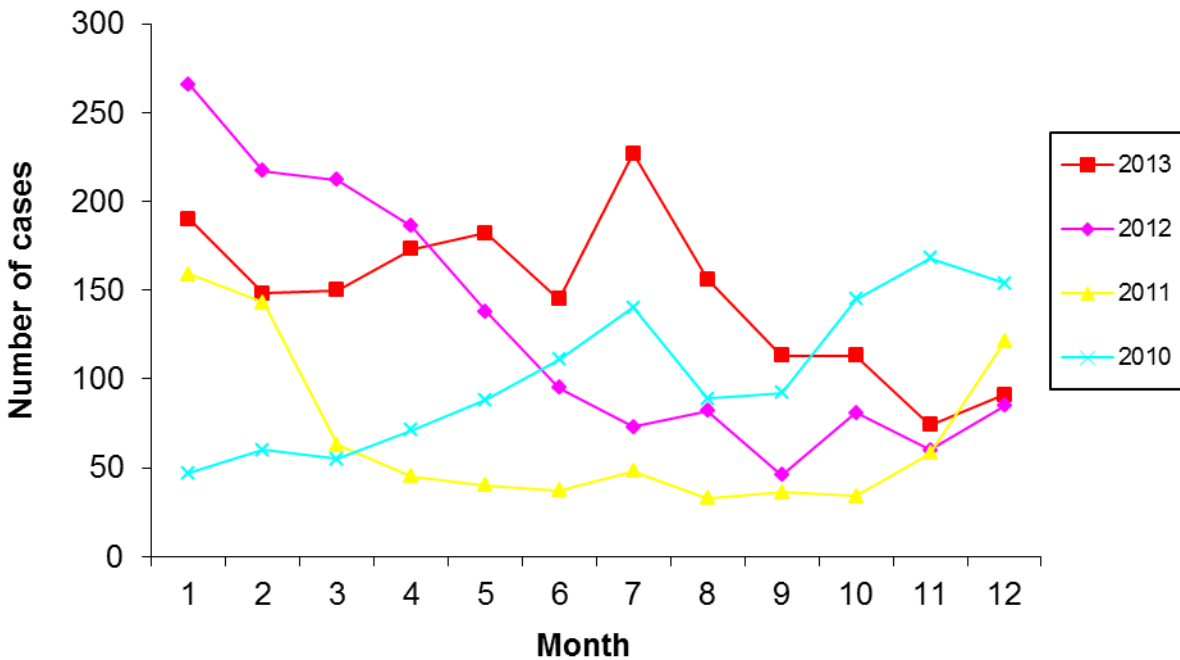
	Recent trend**	No. reported cases per latest reporting period (week (w) or month (m))	Reporting Period	No. reported cases per same reporting period in 2012 (week (w) or month (m))	Cumulative No. reported cases (deaths)		2013 /2012 ratio
					2013	2012	
Australia***	↑	91/m	December	85/m	1 762 (NA)	1 541 (NA)	1.1
Cambodia	↓	235/w	30 Oct - 5 Nov	550/w	16 722 (53)	40 164	0.4
Lao PDR	↓	26/w	21 - 27 Dec	151/w	44 171 (95)	9 952 (22)	4.4
Malaysia	↑	2 120/w	22 - 28 Dec	456/w	43 346 (92)	21 900 (35)	2.0
Philippines	↓		up - 16 Nov		166 107 (528)	170 693 (861)	1.0
Singapore	↑	414/w	22 - 28 Dec	112/w	22 194 (NA)	4 632 (NA)	4.8
Viet Nam	↓	7 675/m	November	11 338/m	60 588 (38)	79 485 (62)	0.8
New Caledonia	↓	1/w	up to 27 Dec	81/w	10 551 (NA)	685 (NA)	15.4

*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 2013 and 2012 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.

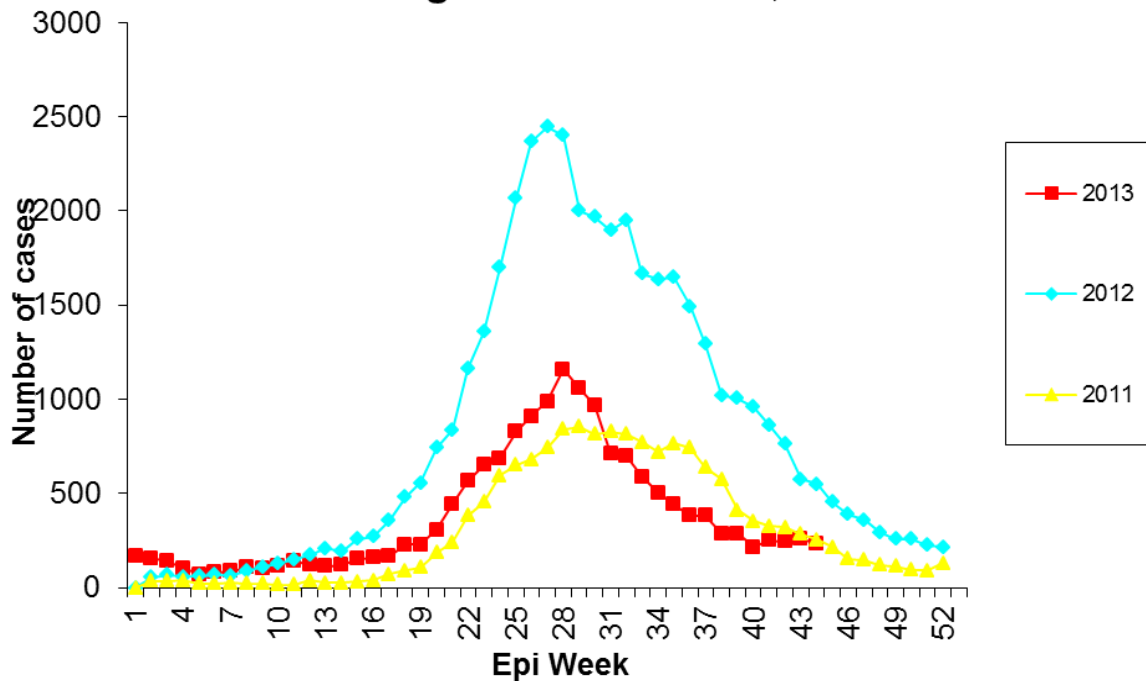
***Australia: *Aedes aegypti* and *Aedes albopictus* are present only in Northern Queensland and Torres Strait Islands

Dengue in Australia, 2010-13



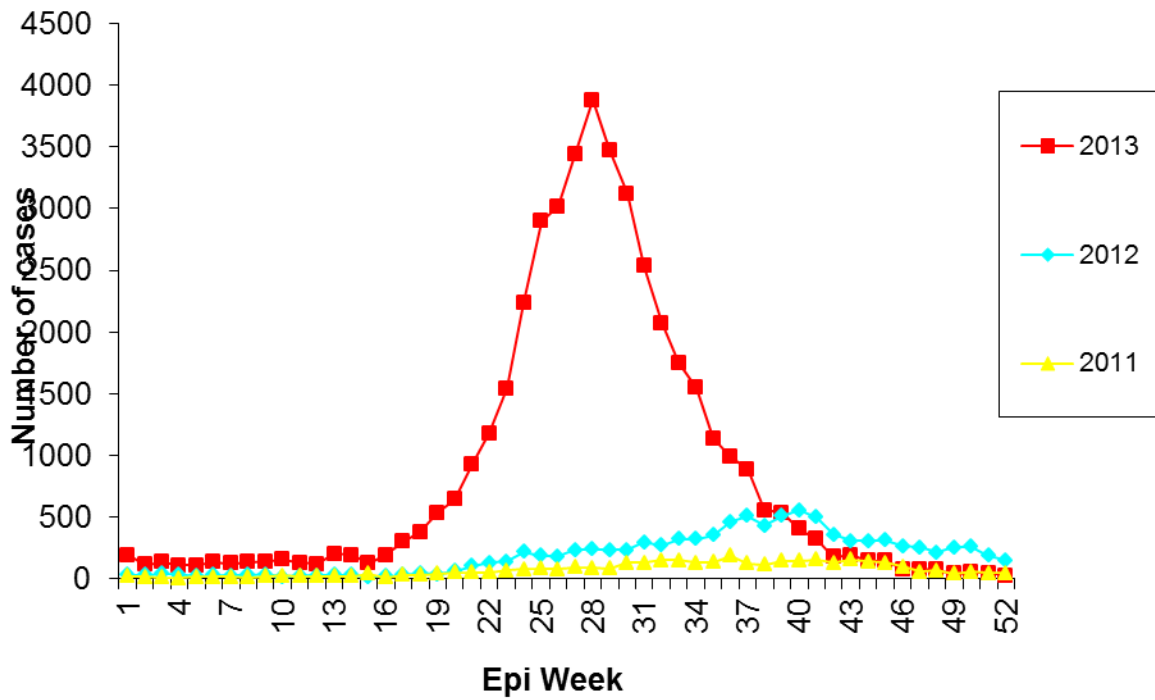
Australia up to end of December 2013 (Source: Dept of Health and Ageing)

Dengue in Cambodia, 2011-2013



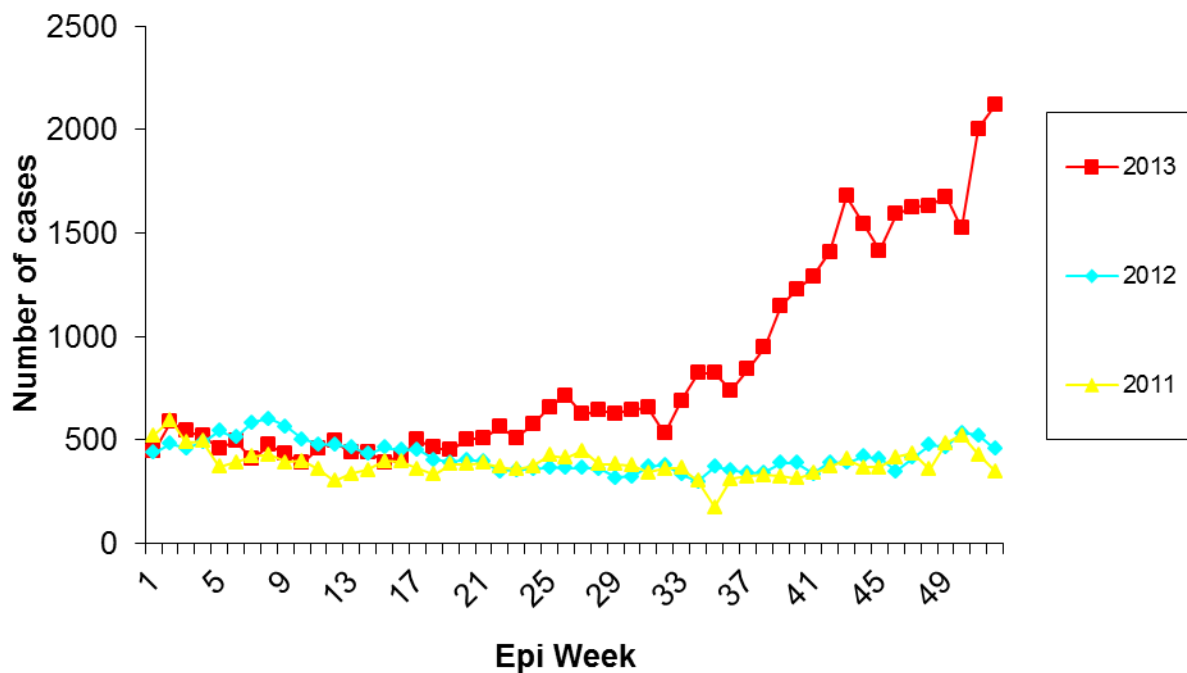
Cambodia up to 5 November 2013 (Source: Ministry of Health)

Dengue in Lao, 2011-2013

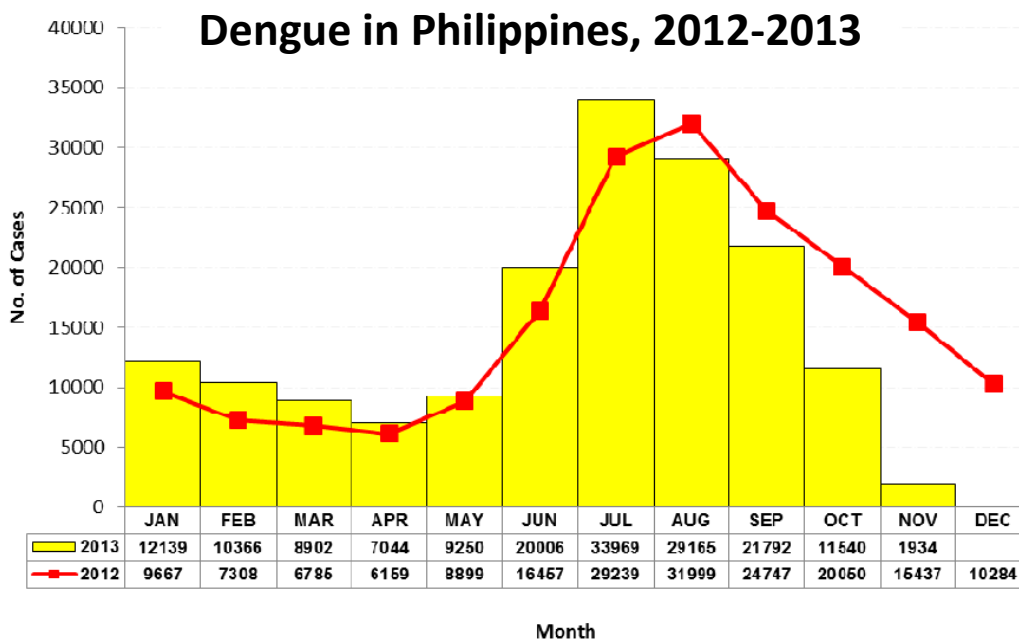


Lao PDR up to 27 December 2013

Dengue in Malaysia, 2011-2013

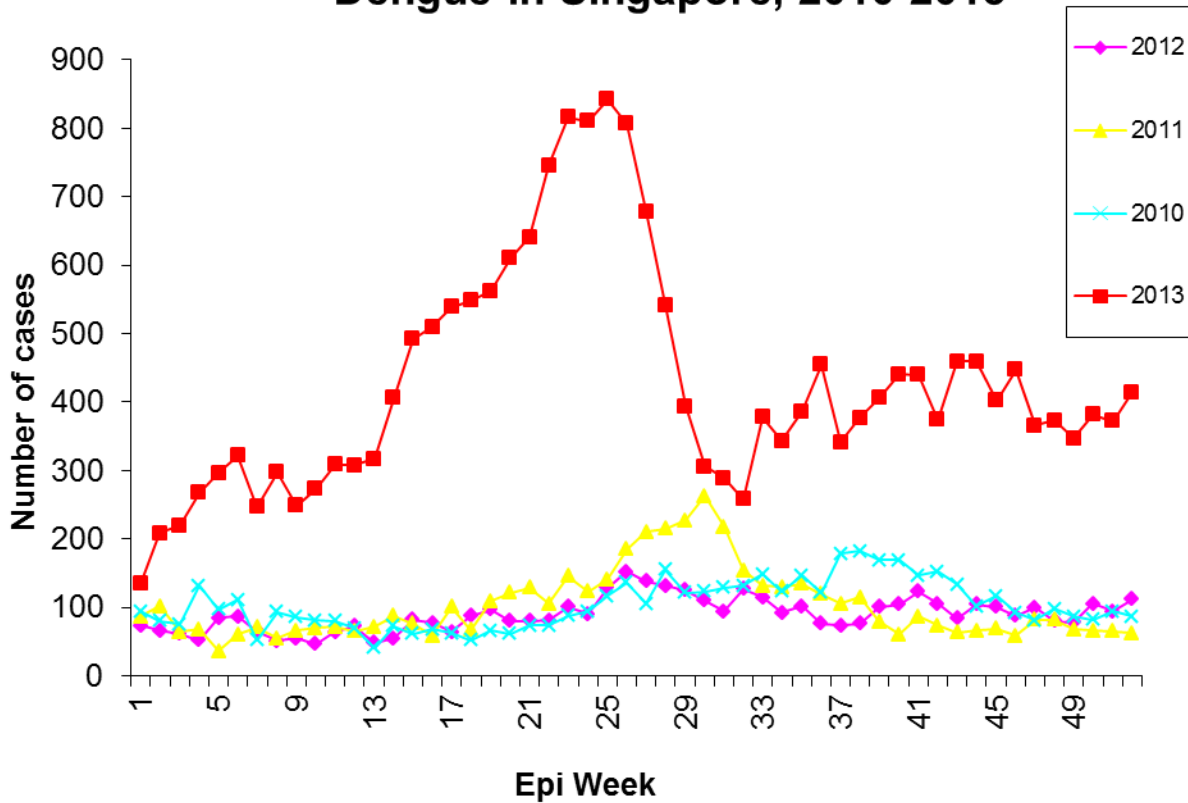


(Source: National Center for Laboratory and Epidemiology, Ministry of Health)
 Malaysia up to 28 December 2013 (Source: Ministry of Health)



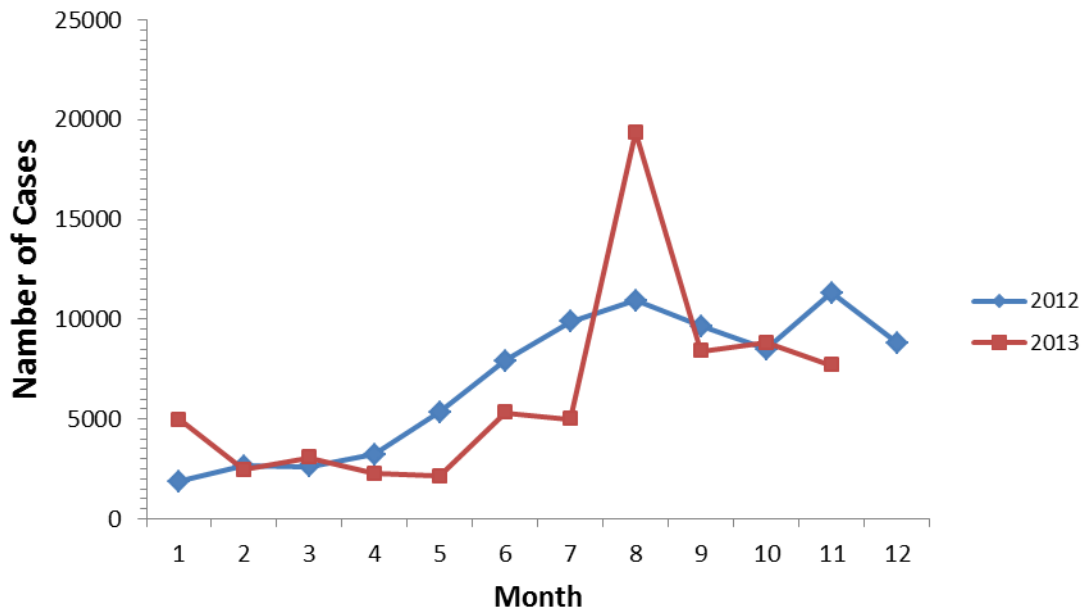
Philippines up to 16 November 2013
 (Source: Department of Health National Epidemiology Center)

Dengue in Singapore, 2010-2013



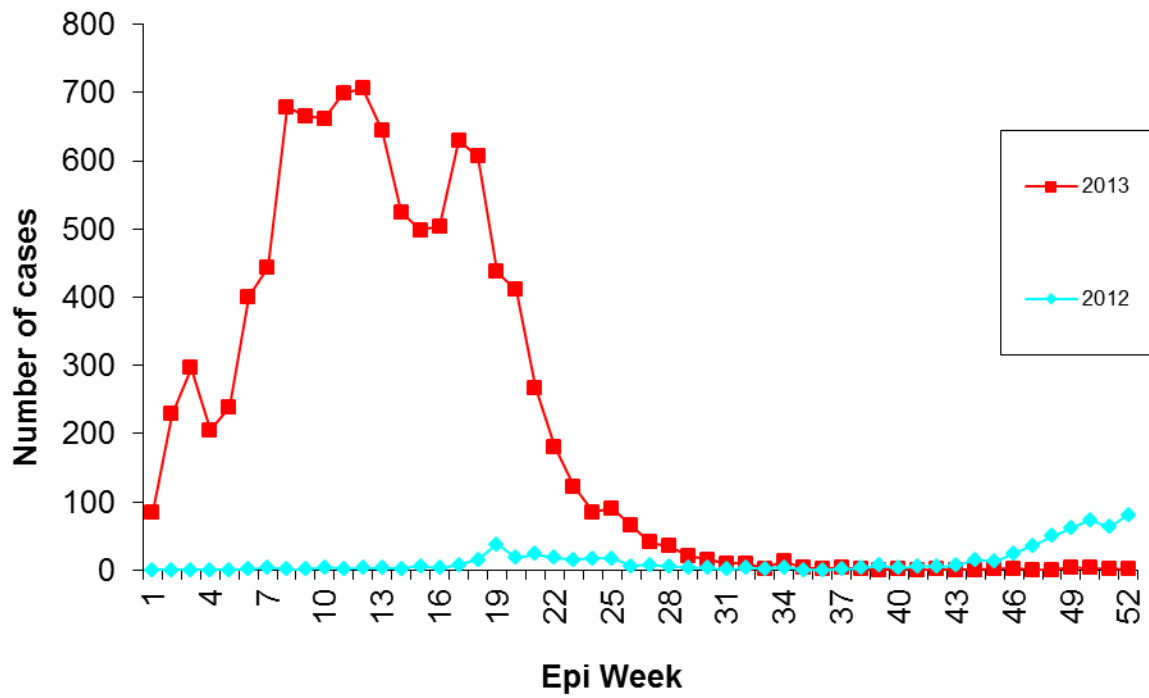
Singapore up to 28 December in 2013 (Source: Ministry of Health)

Dengue in Viet Nam, 2012-2013



Viet Nam up to November in 2013 (Source: Ministry of Health)

Dengue in NEC, 2012-2013



New Caledonia as of 27 December in 2013
(Source: Pacific Public Health Surveillance Network)