



## Introduction

Dengue fever and the more severe form, dengue hemorrhagic fever, are caused by any of the four serotypes of dengue virus (types 1, 2, 3 and 4). An infected day-biting female *Aedes* mosquito transmits the viral disease to humans.

In the Philippines, *Aedes aegypti* and *Aedes albopictus* are the primary and secondary mosquito vectors, respectively. The mosquito vectors breed in the small amount of water collected in storages such as tanks, cisterns, flower vases, plant axils and backyard litter.

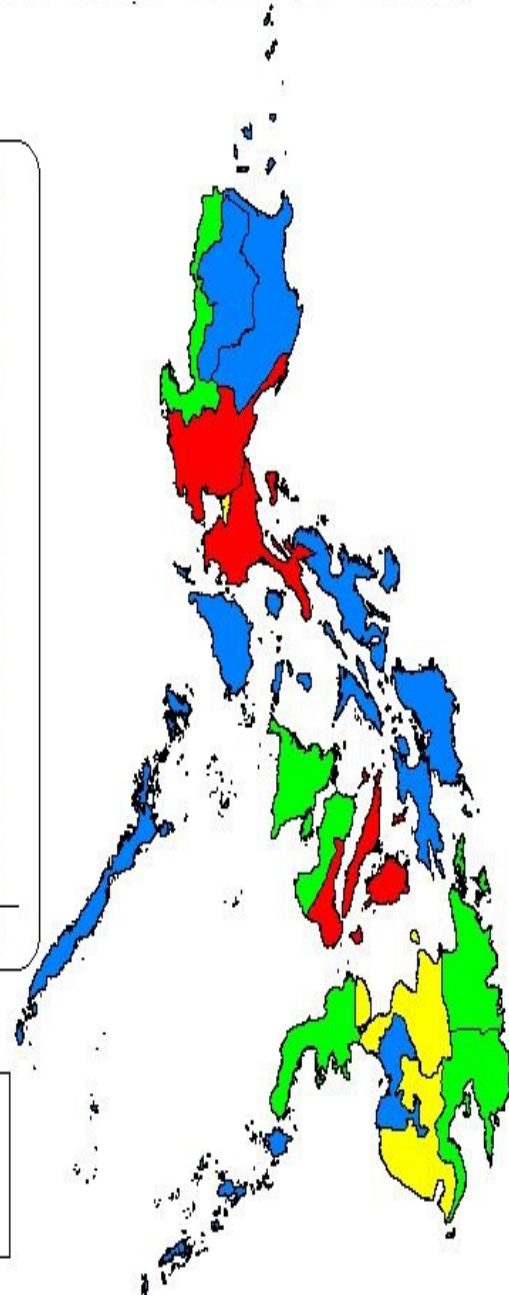
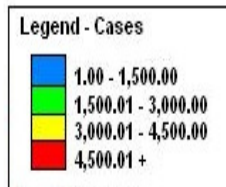
The incubation period is from 3 to 14 days, commonly 4-7 days.

## Signs and Symptoms

- Sudden onset of high fever which may last from 2 to 7 days.
- Joint & muscle pain, and pain behind the eyes.
- Weakness
- Skin rashes
- Nosebleeding when fever starts to subside
- Abdominal pain
- Vomiting of coffee-colored matter
- Dark-colored stools
- Difficulty of breathing.

## Suspect Dengue Cases MW19 (N=45,385)

Region	Cases
I	1622
II	1308
III	5141
IVA	6572
IVB	710
V	496
VI	2694
VII	5018
VIII	1451
IX	1585
X	4412
XI	2978
XII	3347
ARMM	630
CAR	1350
CARAGA	2794
NCR	3277
<b>PHILIPPINES</b>	<b>45385</b>



\*NOTE: Case counts reported here do NOT represent the final number and are subject to change after inclusion of delayed reports and review of cases.

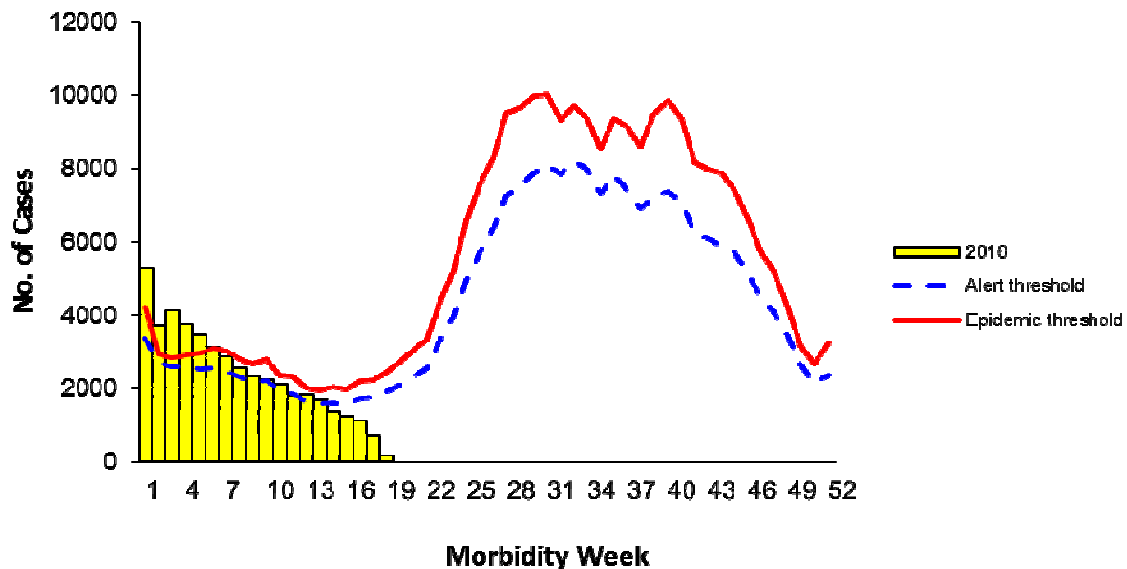


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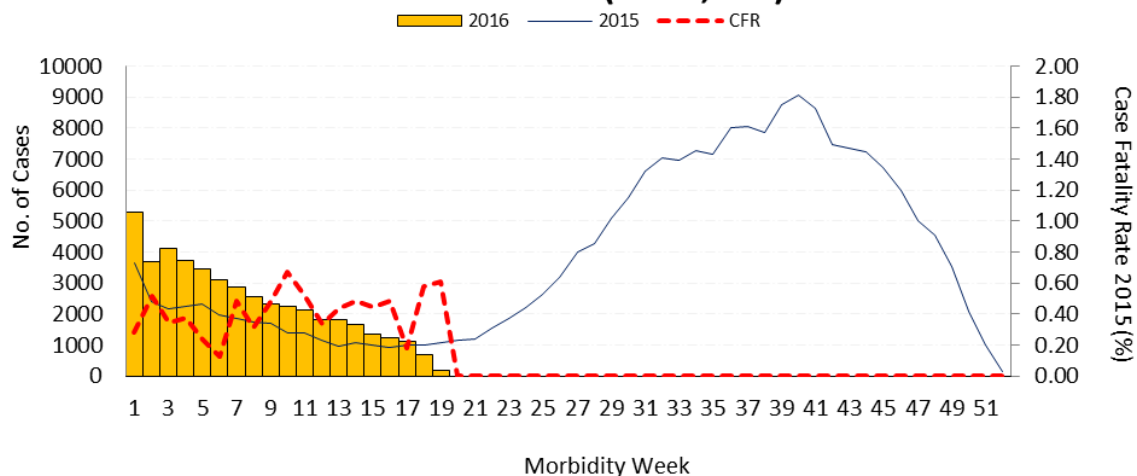
### Trend in the Philippines

A total of **45,385** suspect dengue cases were reported nationwide from January 1 to May 14, 2016. This is **46.3%** higher compared to the same time period last year (**31,026**).

**Fig. 1 Distribution of Suspect Dengue Cases by Morbidity Week Philippines, as of May 14, 2016 (N=45,385)**



**Fig. 2 Suspect Dengue Cases by Morbidity Week, Philippines, as of May 14, 2016 2016\* vs 2015 (N=45,385)**



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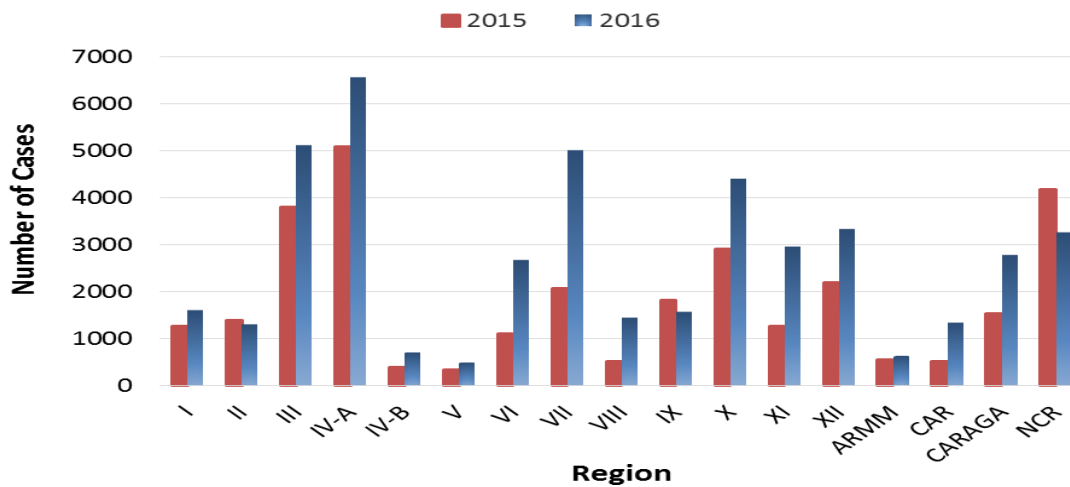


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### Geographic Distribution

Most of the cases were from the following regions: **Region IV-A (14.5%), Region III (11.3%), Region VII (11.1%), Region X (9.7%) and Region XII (7.4%).**

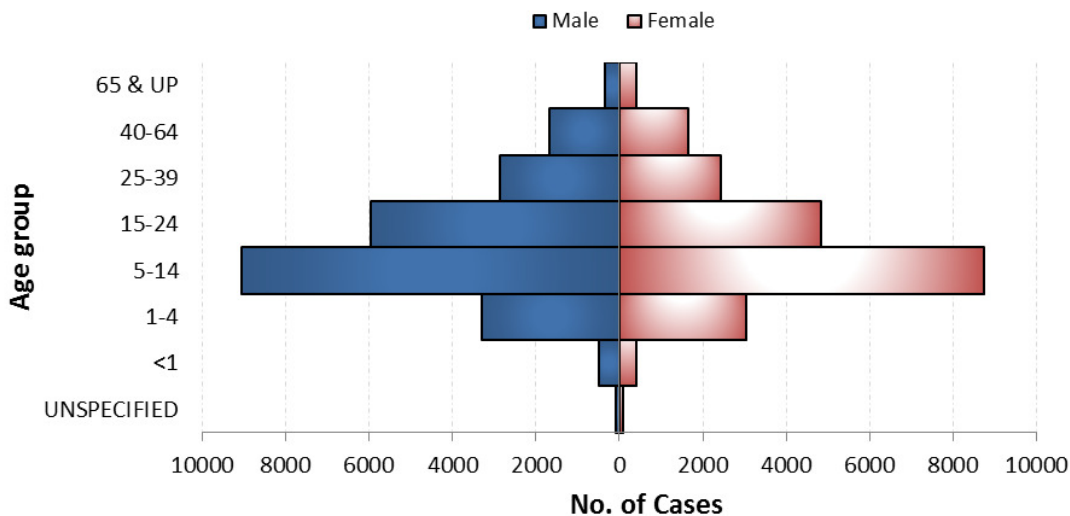
**Fig. 3 Suspect Dengue Cases by Region Philippines, 2016 vs 2015 (N=45,385)**



### Profile of Cases

Ages of cases ranged from less than 1 month to 100 years old (median = 13 years). Majority of cases were male (52.4%). Most (39.2%) of the cases belonged to the 5 to 14 years age group.

**Fig.4 Suspect Dengue Cases by Age Group and Sex Philippines, as of May 14, 2016 (N= 45,385)**



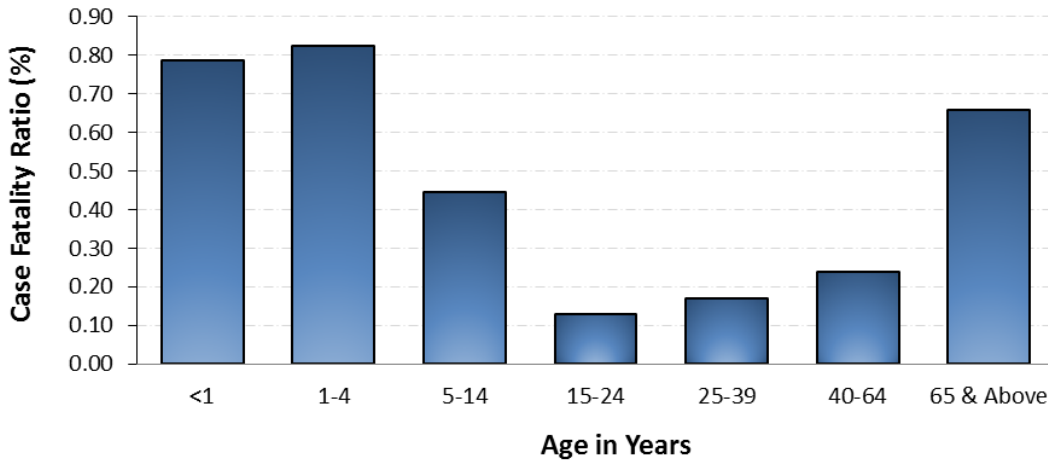
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There were 174 deaths (CFR = 0.38%). The 1 to 4 years agegroup has the highest CFR (0.82%).

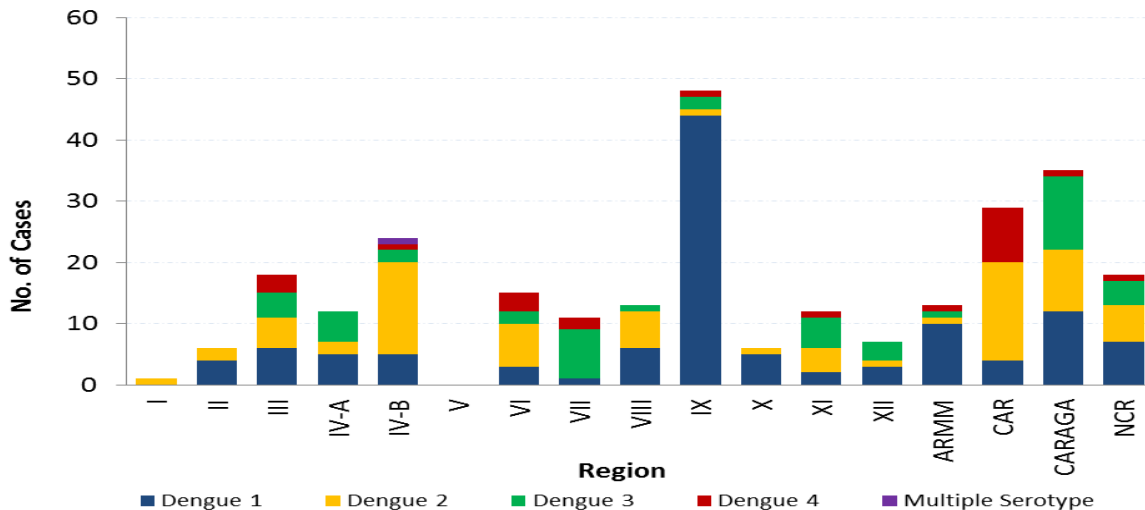
**Fig. 5 Suspect Dengue Case Fatality Rate (CFR) by Age Group, Philippines, as of May 14, 2016 (n=174)**



### Dengue Virus Serotype Distribution in the Philippines

There were **268** laboratory confirmed dengue cases in the Philippines, in which all four DENV serotypes were present. The predominant serotype is **DENV-1** (43.7%) followed by **DENV-2** (29.1%). Most of the confirmed cases were from **Region IX** (17.9%).

**Fig. 6 Dengue Virus Serotype by Region Philippines, as of May 14, 2016 (n=268)**



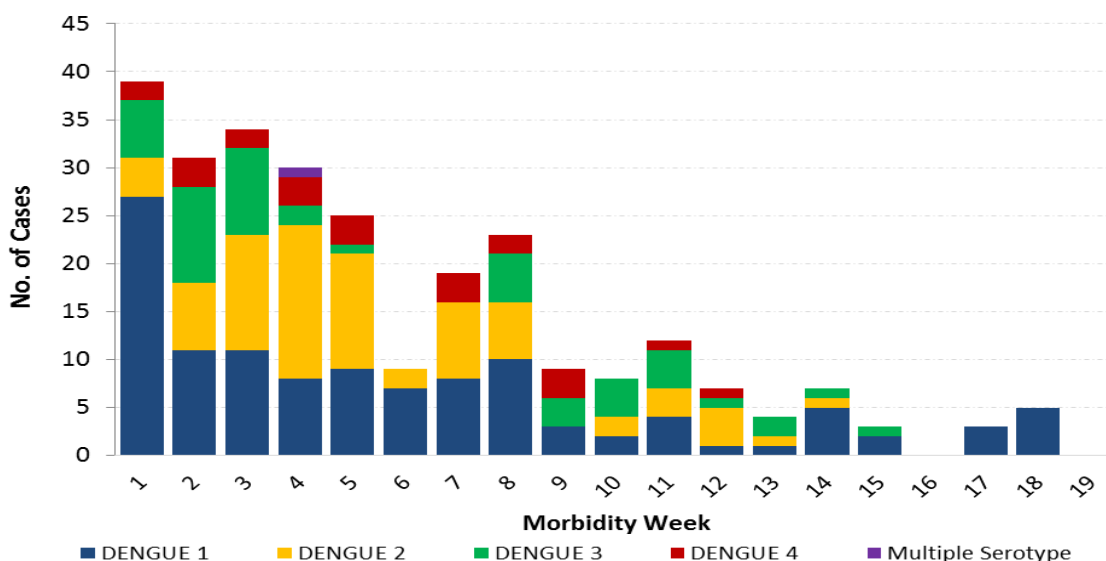
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**Fig. 7 Dengue Virus Serotype by Morbidity Week  
 Philippines, as of May 14, 2016 (n=268)**



**Table 1. Dengue Cases & Deaths by Region  
 Philippines, 2016\* vs 2015**

Region	Cases			Deaths			
	2016	2015	% Change	2016	CFR (%)	2015	CFR (%)
I	1622	1273	27.4	4	0.25	5	0.39
II	1308	1392	-6.0	2	0.15	1	0.07
III	5141	3806	35.1	10	0.19	4	0.11
IV-A	6572	5094	29.0	24	0.37	15	0.29
IV-B	710	400	77.5	3	0.42	0	0.00
V	496	350	41.7	2	0.40	0	0.00
VI	2694	1112	142.3	7	0.26	2	0.18
VII	5018	2073	142.1	32	0.64	9	0.43
VIII	1451	521	178.5	5	0.34	3	0.58
IX	1585	1828	-13.3	8	0.50	8	0.44
X	4412	2904	51.9	10	0.23	13	0.45
XI	2978	1269	134.7	21	0.71	4	0.32
XII	3347	2203	51.9	15	0.45	11	0.50
ARMM	630	561	12.3	4	0.63	5	0.89
CAR	1350	527	156.2	5	0.37	1	0.19
CARAGA	2794	1529	82.7	10	0.36	8	0.52
NCR	3277	4184	-21.7	12	0.37	17	0.41
<b>Total</b>	<b>45385</b>	<b>31026</b>	<b>46.3</b>	<b>174</b>	<b>0.38</b>	<b>106</b>	<b>0.34</b>

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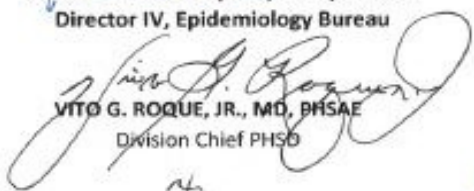
**Table 2. Weekly Dengue Summary Report by Region**  
 Philippines, as of May 14, 2016

Region	Morbidity Week				19th Morbidity Week		Cumulative Total	
	15	16	17	18	2016	2015	1st wk to 19th wk	
					2016	2015	2016	2015
I	58	39	39	25	0	80	1622	1273
II	5	10	7	0	1	100	1308	1392
III	104	84	76	33	2	91	5141	3806
IV-A	160	126	116	90	27	114	6572	5094
IV-B	32	36	34	13	2	8	710	400
V	20	13	13	10	3	12	496	350
VI	107	109	72	41	3	45	2694	1112
VII	93	126	138	69	11	43	5018	2073
VIII	49	24	34	11	1	8	1451	521
IX	55	47	48	36	2	115	1585	1828
X	127	182	160	121	84	97	4412	2904
XI	129	125	125	116	4	43	2978	1269
XII	169	99	48	18	0	102	3347	2203
ARMM	15	25	29	18	1	24	630	561
CAR	52	62	60	39	5	29	1350	527
CARAGA	95	46	60	16	3	50	2794	1529
NCR	80	86	60	40	15	103	3277	4184
<b>Total</b>	<b>1350</b>	<b>1239</b>	<b>1119</b>	<b>696</b>	<b>164</b>	<b>1064</b>	<b>45385</b>	<b>31026</b>

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