



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.

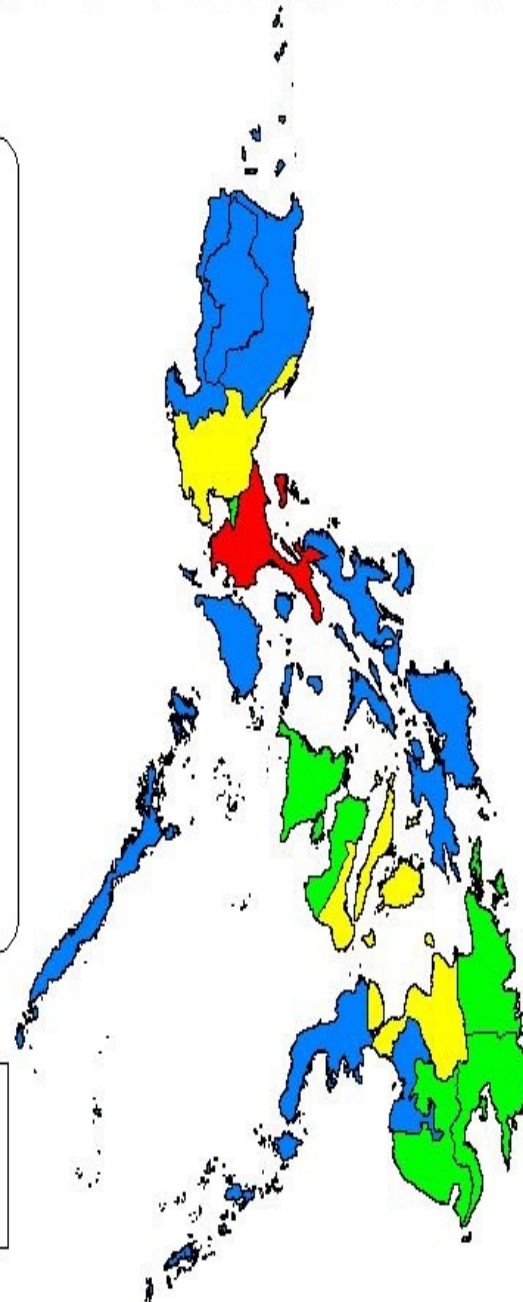
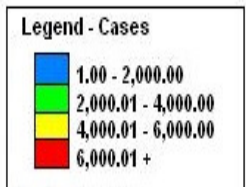
The incubation period is from 3 to 14 days, commonly 4-7 days.

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 MW22 (N=49,904)

Region	Cases
I	1793
II	1468
III	5388
IVA	6887
IVB	788
V	585
VI	3173
VII	5340
VIII	1665
IX	1923
X	4700
XI	3328
XII	3919
ARMM	755
CAR	1634
CARAGA	2970
NCR	3588
PHILIPPINES	49904



**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 **49,904** suspect dengue cases were reported nationwide from January 1 to June 4, 2016. This is **42.9%** higher compared to the same time period last year (**34,927**).

Fig. 1 Distribution of Suspect Dengue Cases by Morbidity Week Philippines, as of June 4, 2016 (N=49,904)

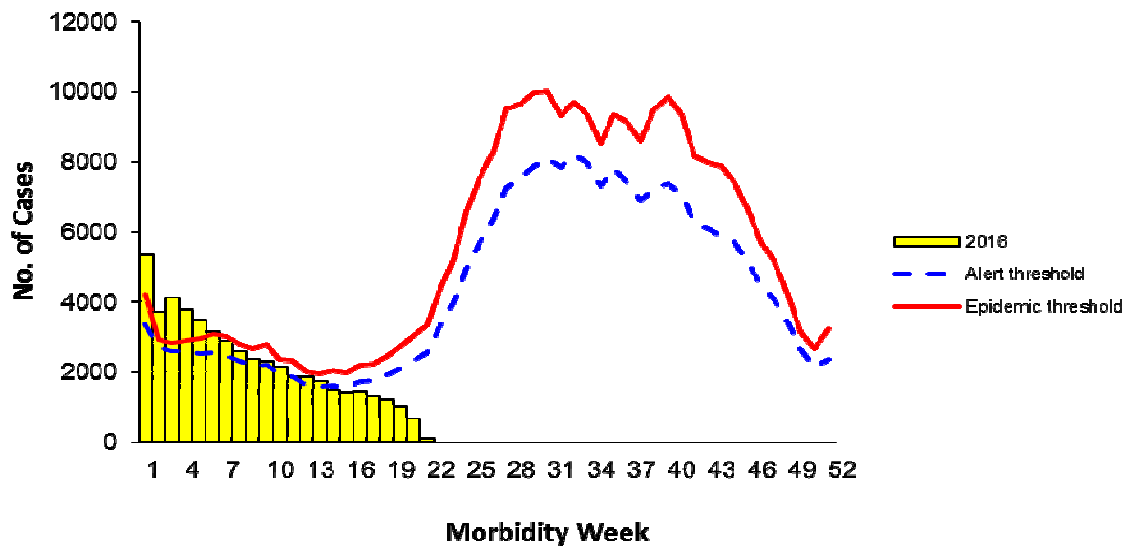
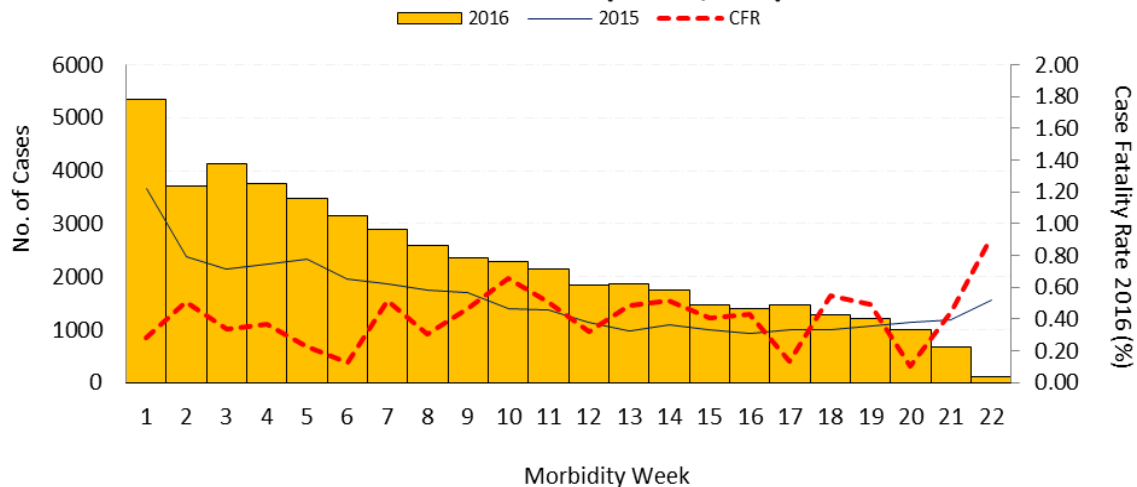


Fig. 2 Suspect Dengue Cases by Morbidity Week, Philippines, as of June 4, 2016 2016* vs 2015 (N=49,904)



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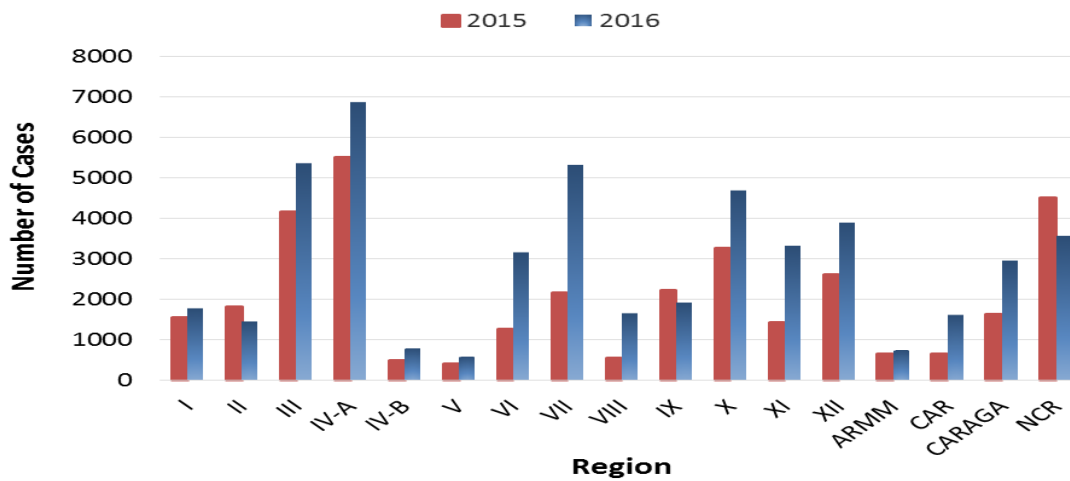


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Geographic Distribution

Most of the cases were from the following regions: **Region IV-A (13.8%), Region III (10.8%), Region VII (10.7%), Region X (9.4%)** and **Region XII (7.9%)**.

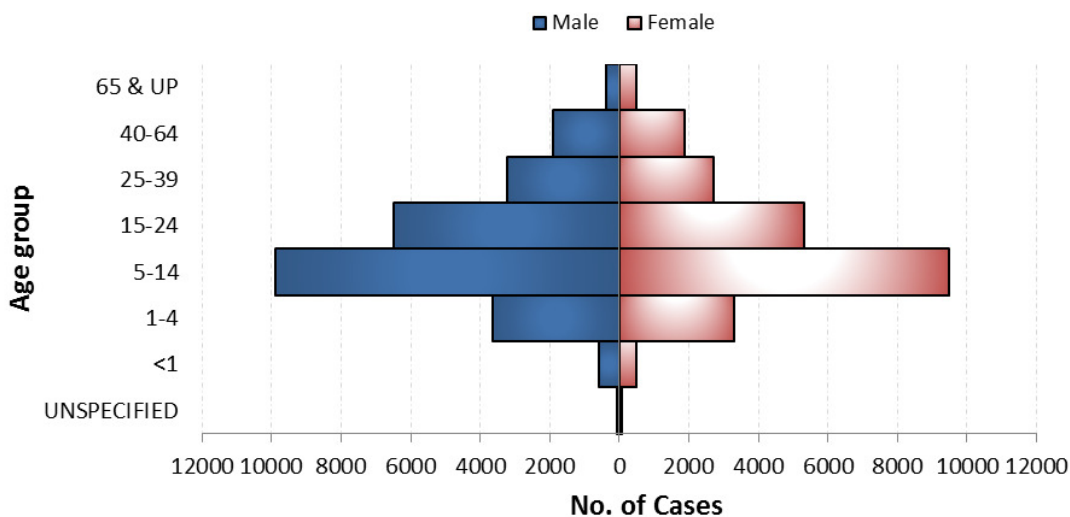
Fig. 3 Suspect Dengue Cases by Region Philippines, 2016 vs 2015 (N=49,904)



Profile of Cases

Ages of cases ranged from less than 1 month to 100 years old (median = 13 years). Majority of cases were male (52.5%). Most (38.8%) 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 June 4, 2016 (N= 49,904)



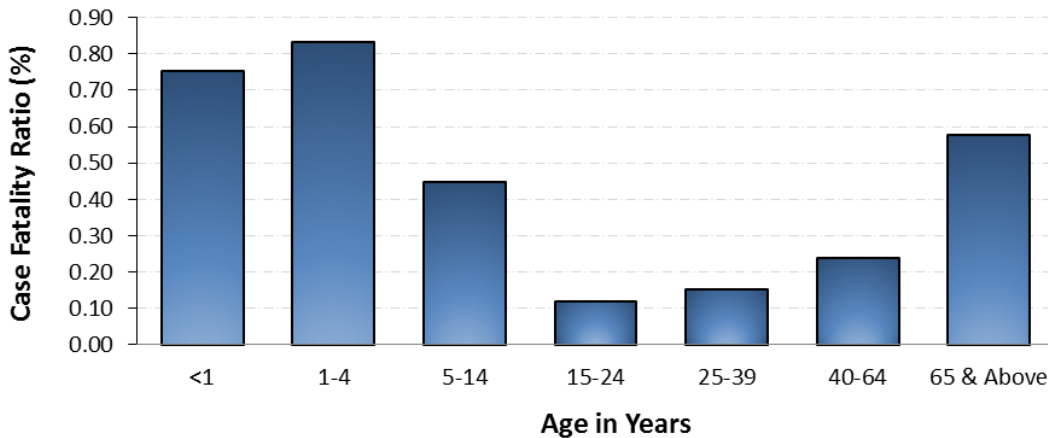
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There were 190 deaths (CFR = 0.38%). The age group that has the highest CFR is 1 to 4 years (0.83%).

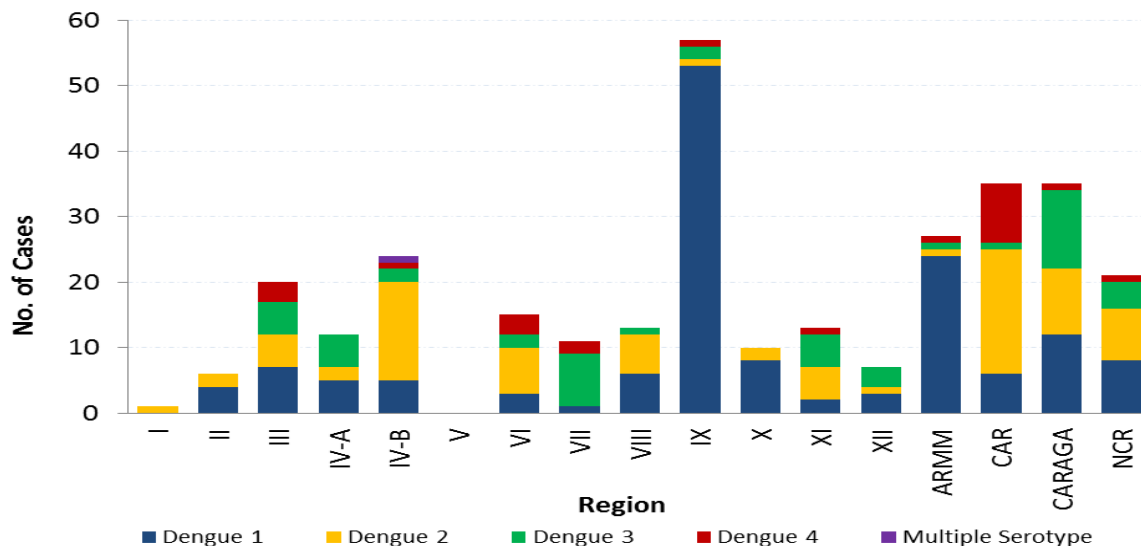
Fig. 5 Suspect Dengue Case Fatality Rate (CFR) by Age Group, Philippines, as of June 4, 2016 (n=190)



Dengue Virus Serotype Distribution in the Philippines

There were **307** laboratory confirmed dengue cases in the Philippines, in which all four DENV serotypes were present. The predominant serotype is **DENV-1** (47.9%) followed by **DENV-2** (27.7%). Most of the confirmed cases were from **Region IX** (18.6%).

Fig. 6 Dengue Virus Serotype by Region Philippines, as of June 4, 2016 (n=307)



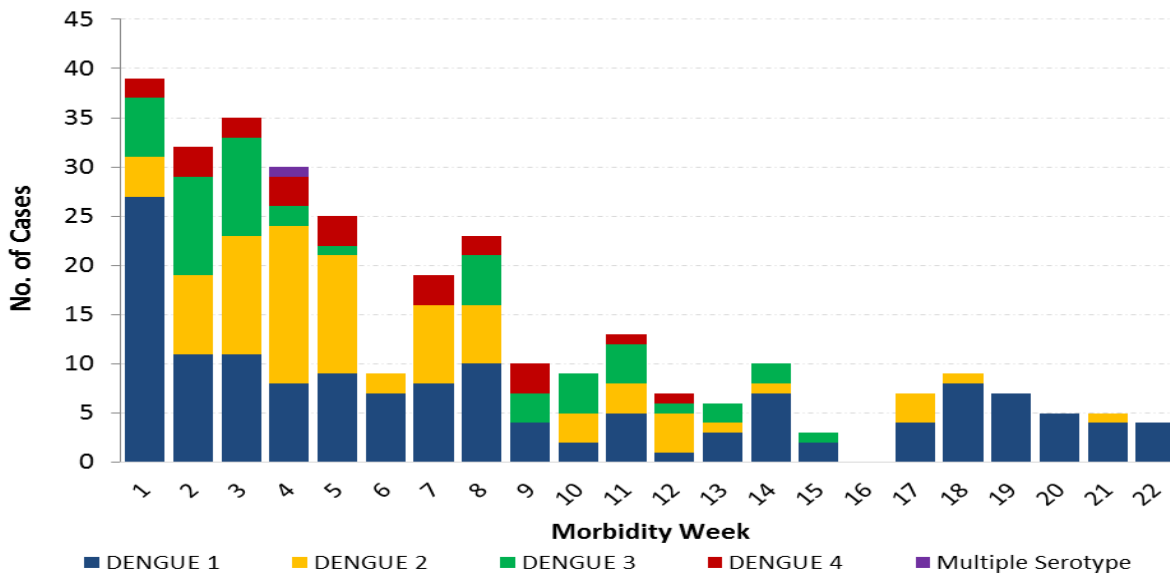
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**Fig. 7 Dengue Virus Serotype by Morbidity Week
 Philippines, as of June 4, 2016 (n=307)**



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

Region	Cases			Deaths			
	2016	2015	% Change	2016	CFR (%)	2015	CFR (%)
I	1793	1552	15.5	4	0.22	7	0.45
II	1468	1826	-19.6	2	0.14	3	0.16
III	5388	4155	29.7	10	0.19	5	0.12
IV-A	6887	5513	24.9	25	0.36	17	0.31
IV-B	788	483	63.1	4	0.51	1	0.21
V	585	413	41.6	2	0.34	1	0.24
VI	3173	1259	152.0	7	0.22	3	0.24
VII	5340	2175	145.5	34	0.64	9	0.41
VIII	1665	552	201.6	6	0.36	3	0.54
IX	1923	2235	-14.0	11	0.57	10	0.45
X	4700	3268	43.8	12	0.26	13	0.40
XI	3328	1422	134.0	25	0.75	4	0.28
XII	3919	2611	50.1	16	0.41	11	0.42
ARMM	755	665	13.5	5	0.66	6	0.90
CAR	1634	646	152.9	5	0.31	1	0.15
CARAGA	2970	1639	81.2	10	0.34	9	0.55
NCR	3588	4513	-20.5	12	0.33	22	0.49
Total	49904	34927	42.9	190	0.38	125	0.36

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Table 2. Weekly Dengue Summary Report by Region
 Philippines, as of June 4, 2016

Region	Morbidity Week				22nd Morbidity Week		Cumulative Total	
	18	19	20	21	2016	2015	2016	2015
I	44	40	37	21	6	125	1793	1552
II	14	23	23	10	2	184	1468	1826
III	63	82	49	24	1	132	5388	4155
IV-A	118	110	89	80	24	163	6887	5513
IV-B	26	16	12	5	2	45	788	483
V	11	13	15	17	1	24	585	413
VI	119	114	110	63	2	56	3173	1259
VII	160	82	42	3	0	40	5340	2175
VIII	32	26	24	30	11	8	1665	552
IX	47	53	58	42	4	161	1923	2235
X	137	173	118	46	20	158	4700	3268
XI	142	106	104	101	17	63	3328	1422
XII	151	122	84	59	2	158	3919	2611
ARMM	29	46	39	19	6	41	755	665
CAR	62	72	84	90	0	35	1634	646
CARAGA	54	50	44	8	0	42	2970	1639
NCR	74	82	66	58	11	122	3588	4513
Total	1283	1210	998	676	109	1557	49904	34927

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