



Morbidity Week

24th

June 14 – 20, 2009

DISEASE SURVEILLANCE REPORT

Dengue Cases

Trend

A total of 10,383 dengue cases were admitted to different sentinel hospitals nationwide from January 1 to June 20, 2009. This is 45.3 % lower compared to last year same time period (18,966). Cases were below the alert threshold for morbidity weeks 3, and 17 to 24 (Figure 1).

Geographic Distribution

Most of the cases were from the following regions: National Capital Region (23.5%), Region IV-A (17.2%), Region XI (11%), Region VI (10.3%), Region VII (6.1%), and Region VII (6.1%).

Cluster of cases were noted in the following areas (3 or more in a barangay during the past 4 weeks)

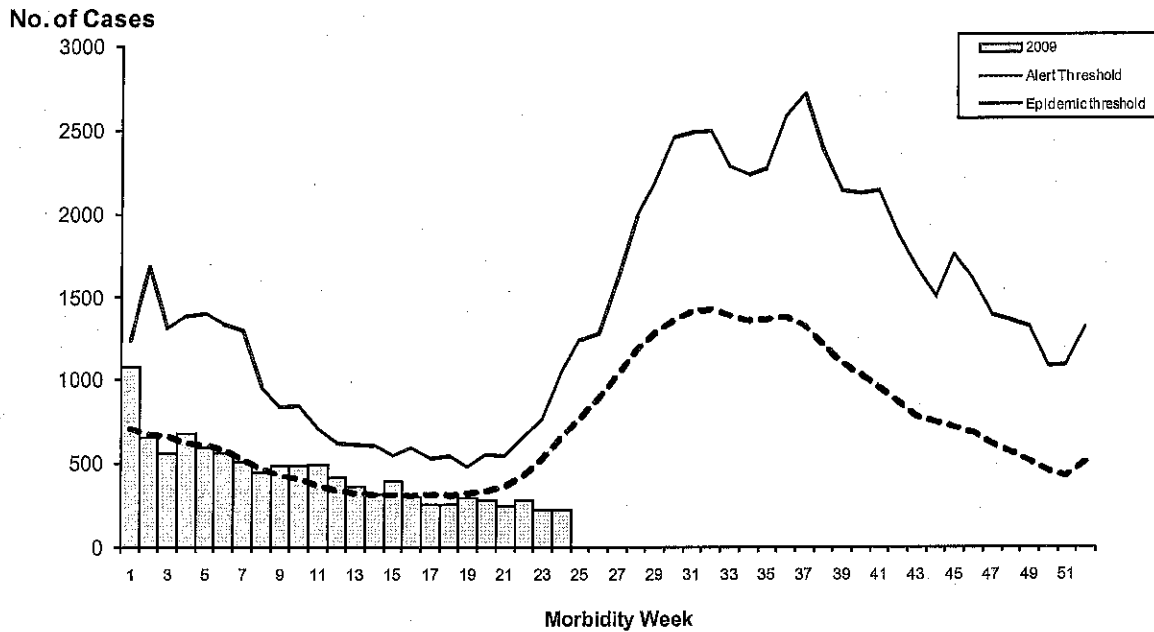
Region	Province	Muncity	Barangay
IV-A	Batangas	Lipa City	Latag
	Laguna	San Pablo City	San Francisco
	Quezon	Lucena City	Brgy 9, Cotta, Domoit, Gulong-Gulong, Ibabang dupay, Ibabang Iyam, Ilayang Iyam, Isabang
V	Camarines sur	Naga City	Balatas, Sabang, Concepcion Pequeña
VI	Iloilo	Iloilo City	Calaparan, Calumpang, Concepcion, Cubay, Ingore, Ticud, Veterans Village
		Leganes	Cagamutna Norte
		Leon	Talacuan
		Oton	Botong

Profile of Cases

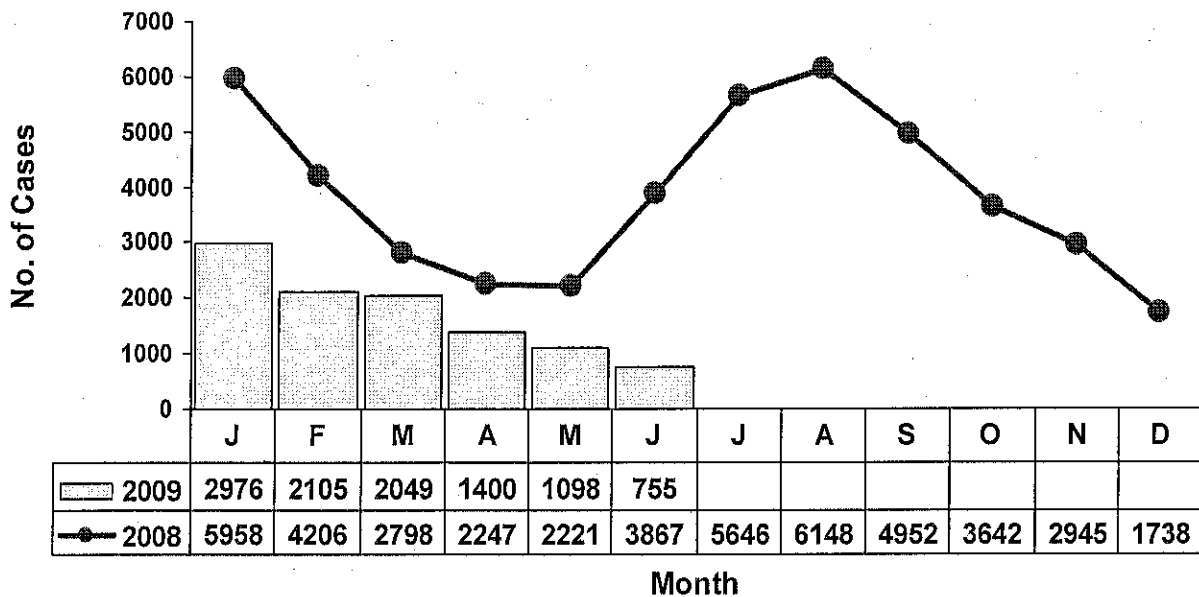
Ages of cases ranged from less than a month to 93 years old (median = 12 years). Majority of cases were male (53%). Seventy six percent of cases belonged to the 1 to 20 years age group (Fig. 3). Case fatality ratio greater than 1 were noted among age groups <1, 1 to 10, and 40 years old above (Fig. 4). There were 104 deaths (CFR 1.0%). Admitted cases with CFR greater than 1 came for Region I, CAR, III, IV-A, VI,VII, VIII, X, & CARAGA (Table 1).



**Fig. 1. Distribution of Dengue Cases by Morbidity Week
Philippines, as of June 20, 2009**

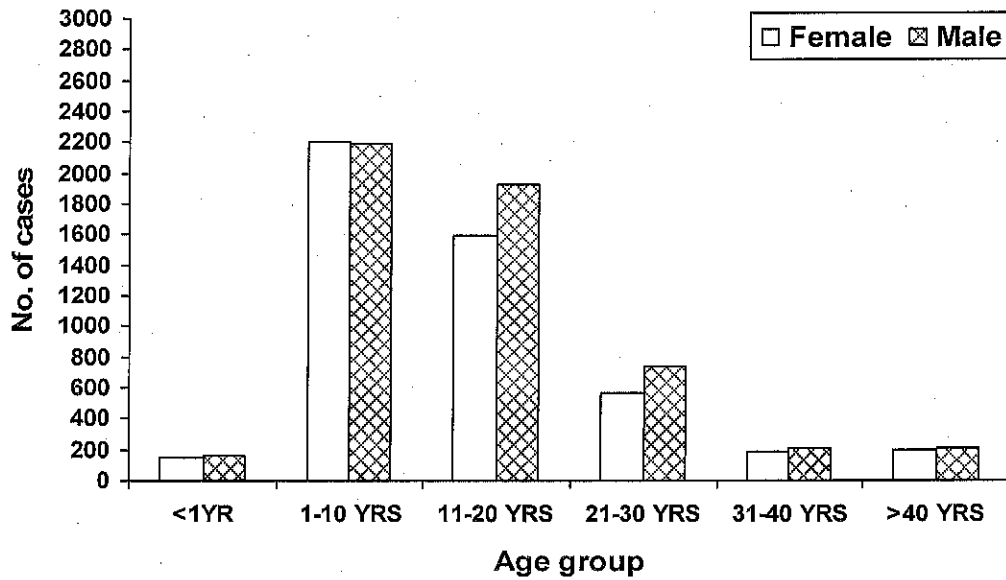


**Fig. 2. Dengue Cases by Month
Philippines, 2009 vs. 2008**

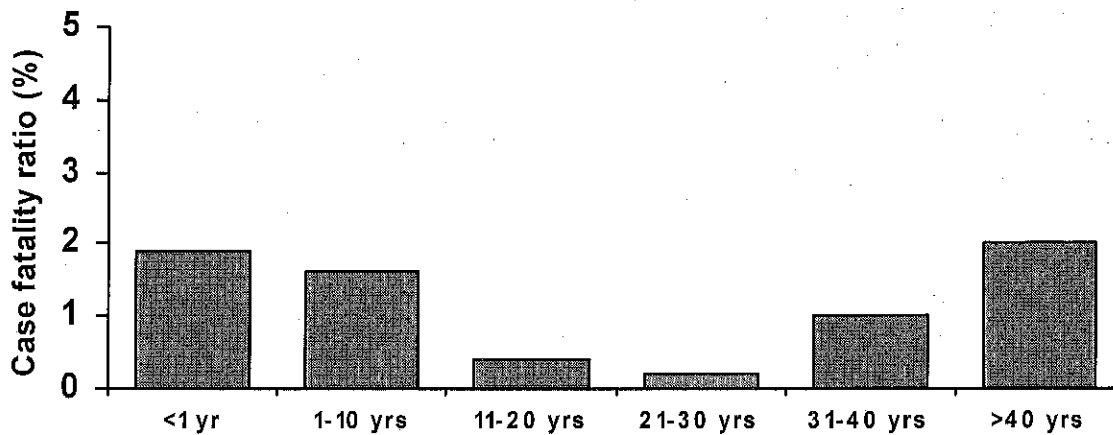




**Fig. 3. Dengue Cases by Age Group & Gender (N=10,383)
Philippines, as of June 20, 2009**



**Fig. 4. Dengue Case Fatality Ratios by Age Group
Philippines, as of June 20, 2009**





**Table 1. Dengue Cases & Deaths by Region
Philippines, 2008 & 2009**

Region	Cases			Deaths			
	2009	2008	% Change	2009	CFR (%)	2008	CFR (%)
I	231	566	-59.2	3	1.3	7	1.2
II	211	360	-41.4	1	0.5	5	1.4
CAR	73	249	-70.7	1	1.4	2	0.8
III	528	2179	-75.8	8	1.5	18	0.8
IV-A	1782	2266	-21.4	20	1.1	20	0.9
IV-B	4	134	-97.0	0	0.0	3	2.2
NCR	2440	4817	-49.3	21	0.9	37	0.8
V	244	419	-41.8	2	0.8	5	1.2
VI	1066	990	7.7	12	1.1	9	0.9
VII	633	2059	-69.3	11	1.7	66	3.2
VIII	357	563	-36.6	4	1.1	8	1.4
IX	323	1367	-76.4	3	0.9	4	0.3
X	334	626	-46.6	4	1.2	5	0.8
XI	1141	1108	3.0	5	0.4	5	0.5
XII	616	831	-25.9	4	0.6	3	0.4
ARMM	140	162	-13.6	0	0.0	2	1.2
CARAGA	260	270	-3.7	5	1.9	3	1.1
TOTAL	10,383	18,966	-45.3	104	1.0	202	1.1

*** as of June 20, 2008 & 2009

NR- no report



**Table 2. Weekly Dengue Summary Report
as of June 20, 2009**

REGION	Weeks				24th		Cumulative Total 1st wk to 24th wk	
	20th	21st	22nd	23rd	2009	2008	2009	2008
I	2	*	*	*	*	20	231	566
II	0	*	*	*	*	12	211	360
CAR	*	*	*	*	*	13	73	249
III	7	6	12	7	6	60	528	2179
IV-A	44	29	69	58	76	38	1782	2266
IV-B	0	0	2	*	*	5	4	134
NCR	127	152	119	91	91	93	2440	4817
V	29	10	12	25	9	13	244	419
VI	65	48	60	39	43	27	1066	990
VII	*	*	*	*	*	50	633	2059
VIII	*	0	*	*	*	9	357	563
IX	*	*	*	*	1	69	323	1367
X	*	*	*	*	*	11	334	626
XI	*	1	*	*	*	43	1141	1108
XII	*	*	*	*	*	32	616	831
ARMM	5	*	*	*	*	8	140	162
CARAGA	1	*	*	*	*	7	260	270
TOTAL	280	246	274	220	226	510	10383	18966

* no report



Table 3. Dengue Cases & Deaths by Municipality
National Capital Region, 2008 & 2009

Municipality	Cases			Deaths			
	2009	2008	% Change	2009	CFR (%)	2008	CFR (%)
Kalookan	267	603	-55.7	3	1.1	6	1.0
Las Piñas	27	66	-59.1	1	3.7	1	1.5
Makati	106	177	-40.1	0	0.0	3	1.7
Malabon	111	154	-27.9	1	0.9	0	0.0
Mandaluyong	55	130	-57.7	0	0.0	1	0.8
Manila	532	992	-46.4	1	0.2	3	0.3
Marikina	47	108	-56.5	0	0.0	0	0.0
Muntinlupa	20	36	-44.4	1	5.0	1	2.8
Navotas	245	155	58.1	1	0.4	1	0.6
Parañaque	140	225	-37.8	3	2.1	1	0.4
Pasay	40	244	-83.6	0	0.0	2	0.8
Pasig	164	312	-47.4	0	0.0	1	0.3
Pateros	16	16	0.0	0	0.0	0	0.0
Quezon City	463	959	-51.7	5	1.1	8	0.8
San Juan	42	52	-19.2	1	2.4	0	0.0
Taguig	104	240	-56.7	4	3.8	8	3.3
Valenzuela	61	348	-82.5	0	0.0	1	0.3
TOTAL	2440	4817	-49.3	21	0.9	37	0.8

* Data as of June 20, 2008 & 2009



EDITORIAL BOARD

Enrique A. Tayag, MD, PHSAE, FPSMID, CEO VI
Director-IV

Marlow O. Niñal, MD, PHSAE
*Medical Officer VII, Chief, PHSID
Editor, DSR Series*

Vito G. Roque, Jr., MD, PHSAE
*Medical Specialist IV
Assistant Editor, DSR Series*

Support Staff

Edna M. Lopez, RN
Nurse VI

Dulce C. Elfa, RN, MPH
Nurse IV

Vidal E. Pantifano, Jr., RN
Nurse III

Allan P. Ignacio
Computer Programmer II

NOTICE TO THE READER

The *Disease Surveillance Report (DSR)* is published by the National Epidemiology Center, Public Health Surveillance Division. The data in this report were obtained from the *National Epidemic Sentinel Surveillance System (NESSS)* - a hospital-based information system. DSR can only provide information on disease trends and does not reflect the total burden of disease in the country.

Prepared By:

Edna M. Lopez, RN

Vito G. Roque, Jr., MD, PHSAE

Noted By:

Marlow O. Niñal, MD, PHSAE

Approved For Release:

Enrique A. Tayag, MD, FPSMID, PHSAE

Date: 07/10/2009