Table 1. Summary of Notifiable Disease/Syndrome
2017 vs. 2018
National Capital Region, January 1 – June 23, 2018

Category I (Immediately Notifiable)	Cases		Change Rate (%)	2018	
	2017	2018		Deaths	CFR (%)
Anthrax	0	0	0	0	0.00
Malaria	2	7	250	0	0.00
Meningococcal Disease	5	6	20	1	16.67
Paralytic Shellfish	0	0	0	0	0.00
Rabies	9	7	-22	7	100.00
Ebola	0	0	0	0	0.00
MERS-CoV	22	8	-64	0	0.00
Zika	93	12	-87	0	0.00

Category II (Weekly Notifiable)	Cases		Change Rate (%)	2018	
	2017	2018		Deaths	CFR (%)
Acute Bloody Diarrhea	73	26	-64	0	0.00
Acute Encephalitis Syndrome	35	47	34	1	2.13
Acute Hemorrhagic Fever Syndrome	0	0	0	0	0.00
Acute Viral Hepatitis	203	131	-35	2	1.53
Bacterial Meningitis	149	141	-5	7	4.96
Chikungunya	6	0	-100	0	0.00
Cholera	1	0	-100	0	0.00
Dengue	5,815	7,295	25	26	0.36
Hand, Foot and Mouth Disease	195	81	-58	0	0.00
Influenza-like illness	444	659	48	1	0.15
Leptospirosis	141	105	-26	17	16.19
Non-Neonatal Tetanus	54	30	-44	5	16.67
Typhoid and Parathypoid Fever	238	191	-20	3	1.57

Disclaimer: Figures from previous report may differ due to late reports submitted and further verification.

DENGUE SURVEILLANCE REPORT

Table 2. Distribution of Dengue Cases and Deaths by LGU (N=7,295)
National Capital Region, January 1 – June 23, 2018

LGU	Cases		Change Rate (%)	2018		Total Population	Attack Rate
	2017	2018		Deaths	CFR (%)		
Quezon City†	2,173	2,217	2	5	0.23	2,974,331	7.45
Manila City†	714	1035	45	6	0.58	1,803,318	5.74
Caloocan City†	681	941	38	3	0.32	1,604,594	5.86
Parañaque City†	360	442	23	2	0.45	674,488	6.55
Pasig City†	316	402	27	1	0.25	765,131	5.25
Valenzuela City†	216	374	73	0	0.00	628,497	5.95
Marikina City†	148	326	120	3	0.92	456,608	7.14
Las Piñas City†	153	271	77	2	0.74	596,559	4.54
Makati City†	208	224	8	1	0.45	590,185	3.80
Malabon City	216	191	-12	1	0.52	370,282	5.16
Pasay City†	70	183	161	0	0.00	421,943	4.34
Mandaluyong City†	122	179	47	0	0.00	391,304	4.57
Taguig City*	207	172	-17	2	1.16	815,391	2.11
Muntinlupa City†	83	144	73	0	0.00	511,075	2.82
Navotas City†	85	86	1	0	0.00	252,710	3.40
Pateros†	8	56	600	0	0.00	64,671	8.66
San Juan City	55	52	-5	0	0.00	123,770	4.20
N C R	5,815	7,295	25	26	0.36	13,044,857	5.59

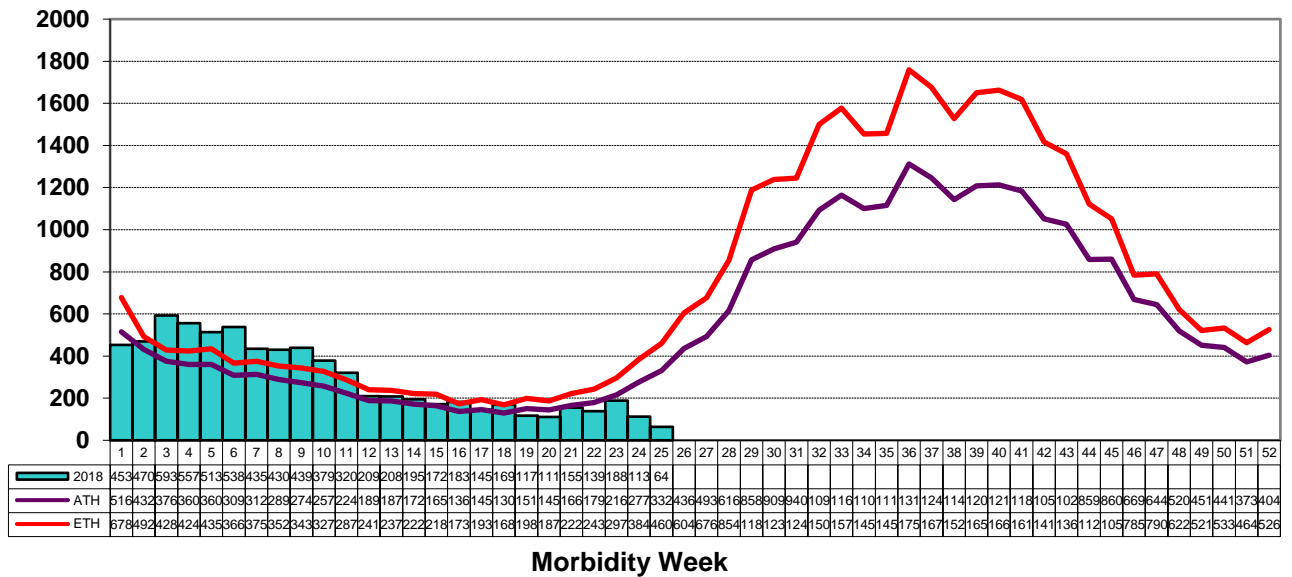*Case-Fatality Rate should be less than 1.
†Increase number of cases

FINDINGS: Partial reports showed there were **7,295** cases admitted at different reporting institutions of the Region from January 1 to June 23, 2018. There were 64 admissions for this week. Pateros has the highest (8.66/10,000 population) attack rate.

There were 26 deaths (CFR 0.36) reported *(Table 2)*. This is **25% higher** compared to the same period last year (5,815) *[Table 2];* and **60% higher** than previous five-year average (2013-2017) *[Figure 1]*.

Figure 1. Distribution of Dengue Cases by Morbidity Week
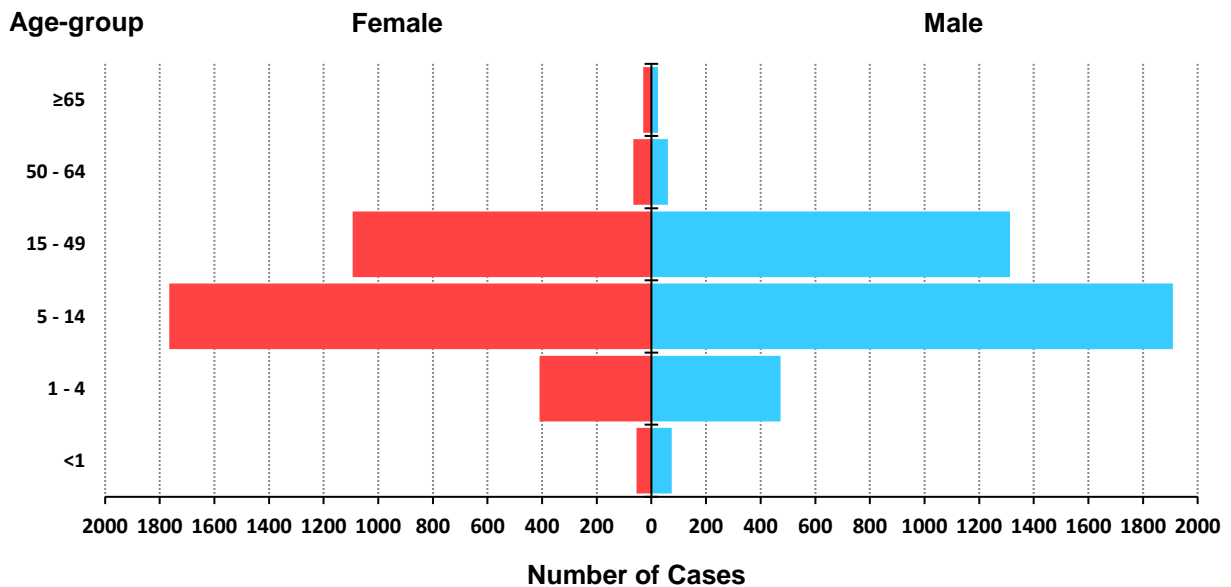National Capital Region, Alert and Epidemic Threshold, 2013-2017 vs. 2018

Number of Cases

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
2018	453	470	593	557	513	538	435	430	439	379	320	209	208	195	172	183	145	169	117	111	155	139	188	113	64																											
ATH	516	432	376	360	360	309	312	289	274	257	224	189	187	172	165	136	145	130	151	145	166	179	216	277	332	436	493	616	858	909	940	1091	1161	1101	1131	1241	1141	1201	1211	1181	1051	1025	985	866	699	644	520	451	441	373	404
ETH	678	492	428	424	435	366	375	352	343	327	287	241	237	222	218	173	193	168	198	187	222	243	297	384	460	604	676	854	1181	1231	1241	1501	1571	1451	1451	1751	1671	1521	1651	1661	1611	1411	1361	1121	1051	785	790	622	521	533	464	526

Morbidity Week

Profile of Cases

Ages of cases ranged from 1 month to 95 years old (median 12 years). Most 3,674 (51%) of those affected was the 5-14-year age-group *(Figure 2).* Majority of cases 3,854 (53%) were male.

Figure 2. Distribution of Dengue Cases by Age-group and Sex (n=7,274)
National Capital Region, January 1 – June 23, 2018

Age-group   **Female**   **Male**

≥65

50 - 64

15 - 49

5 - 14

1 - 4

<1

2000 1800 1600 1400 1200 1000 800 600 400 200 0 200 400 600 800 1000 1200 1400 1600 1800 2000

Number of Cases

Ages unknown = 21

CLUSTERING OF CASES: Clustering of cases were noted in the Cities of Caloocan, Malabon, Pasig, Quezon and Valenzuela (*Table 3).*

Table 3. Barangays with Clustering of Cases
National Capital Region, MW22 – MW25, 2018

| LGU | Barangay | CASES | | | | |
		MW22	MW23	MW24	MW25	TOTAL
CALOOCAN CITY	Barangay 171	2	1	0	0	3
	Barangay 175	0	3	1	0	4
	Barangay 176	3	6	1	4	14
	Barangay 178	1	2	1	0	4
MAKATI CITY	San Antonio	2	0	1	0	3
	South Cembo	0	4	0	0	4
MALABON CITY	Potrero	1	0	2	1	4
PASIG CITY	Pinagbuhatan	3	0	0	0	3
QUEZON CITY	**DISTRICT II**					
	Batasan Hills	0	2	1	1	4
	Commonwealth	3	2	7	2	14
	Holy Spirit	4	3	2	1	10
	Payatas	6	2	2	5	15
	DISTRICT III					
	Marilag	0	2	1	0	3
	Matandang Balara	0	1	3	1	5
	Pansol	1	1	1	0	3
	DISTRICT IV					
	Damayan Lagi	0	1	2	0	3
	Kaunlaran	3	4	3	0	10
	South Triangle	1	1	2	0	4
	Tatalon	2	1	1	2	6
	Valencia	0	2	2	0	4
	DISTRICT V					
	Fairview	0	2	1	0	3
	Novaliches Proper	2	2	2	1	7
	DISTRICT VI					
	Culiat	3	1	0	0	4
	Pasong Tamo	4	3	4	2	13
VALENZUELA CITY	Hen. T. De Leon	3	0	0	0	3
	Lawang Bato	0	3	0	0	3

Lingunan	5	5	1	0	11
Marulas	0	4	1	0	5
Ugong	2	1	1	0	4

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ANNEX A. CASE CLASSIFICATION

Dengue without Warning Signs

- *Suspect*

    A previous well person with acute febrile Illness of 2-7 days duration plus two of the ff:
    - ✓ Headache
    - ✓ Body Malaise
    - ✓ Myalgia
    - ✓ Arthralgia
    - ✓ Retrp-orbital pain
    - ✓ Anorexia
    - ✓ Nausea
    - ✓ Vomiting
    - ✓ Diarrhea
    - ✓ Flushed skin
    - ✓ Rash (petecheal, Herman's sign)

- *Probable*

    A suspect case **plus:**
    Laboratory test, at leats CBC
    (leucopenia with or without thrombocytopenia) and/ or Dengue NS1,Antigen test or dengue IgM antibody test (optional)

- *Confirmed*
    - Viral culture isolation
    - Polymerase Chain Reaction (PCR)

Dengue with Warning Signs

A previously well person with acute febrile illness Of2-7 days duration plus any of the ff:

- ✓ Abdominal pain or tenderness
- ✓ Persistent vomiting
- ✓ Clinical signs of fluid accumulation
- ✓ Mucosal bleeding
- ✓ Lethargy, restlessness
- ✓ Liver enlargement
- ✓ Laboratory : ↑ in Hct and/or ↓ platelet count

Severe Dengue

A previously well person with acute febrile illness of 2-7 days duration and any of the clinical manifestations for dengue with or without warning signs,
plus any of the ff:
Severe Plasma leakage leading to

- ✓ Shock
- ✓ Fluid accumulation w/ respiratory distress

Severe bleeding
Severe organ impairment

- ✓ Liver : AST or ALT ≥ 1000
- ✓ CNS : *e.g.* seizures, impaired consciousness
- ✓ Heart : *e.g.* myocarditis
- ✓ Kidneys : *e.g.* renal failure

ANNEX B. DEFINITION OF TERMS

Alert Threshold ☞ Refers to the level of occurrence of disease that serves as an early warning for epidemics. An increase in the number of cases above the threshold level should trigger an investigation, epidemics preparedness and implement appropriate prevention and control measures.

Cluster of cases ☞ 3 or more cases with temporal (occurring of 4 weeks) and geographical association (within the same barangay).

Epidemic Threshold ☞ Refers to the level of occurrence of disease above which urgent response is required. The threshold specific to each disease and depends on infectiousness, other determinants of transmission and local endemicity level.

Epidemiology ☞ Refers to the study of the distribution and determinants of health-related states or events in specified population, and the application of this study to the control of health problems.

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Morbidity Calendar 2018

Morbidity Week	Inclusive Dates Beginning	Inclusive Dates Ending	Deadline of Submission until 3PM	Morbidity Week	Inclusive Dates Beginning	Inclusive Dates Ending	Deadline of Submission until 3PM
1	1-Jan	6-Jan	4-Jan	27	1-Jul	7-Jul	5-Jul
2	7-Jan	13-Jan	11-Jan	28	8-Jul	14-Jul	12-Jul
3	14-Jan	20-Jan	18-Jan	29	15-Jul	21-Jul	19-Jul
4	21-Jan	27-Jan	25-Jan	30	22-Jul	28-Jul	26-Jul
5	28-Jan	3-Feb	1-Feb	31	29-Jul	4-Aug	2-Aug
6	4-Feb	10-Feb	8-Feb	32	5-Aug	11-Aug	9-Aug
7	11-Feb	17-Feb	15-Feb	33	12-Aug	18-Aug	16-Aug
8	18-Feb	24-Feb	22-Feb	34	19-Aug	25-Aug	23-Aug
9	25-Feb	3-Mar	1-Mar	35	26-Aug	1-Sep	30-Aug
10	4-Mar	10-Mar	8-Mar	36	2-Sep	8-Sep	6-Sep
11	11-Mar	17-Mar	15-Mar	37	9-Sep	15-Sep	13-Sep
12	18-Mar	24-Mar	22-Mar	38	16-Sep	22-Sep	20-Sep
13	25-Mar	31-Mar	29-Mar	39	23-Sep	29-Sep	27-Sep
14	1-Apr	7-Apr	5-Apr	40	30-Sep	6-Oct	4-Oct
15	8-Apr	14-Apr	12-Apr	41	7-Oct	13-Oct	11-Oct
16	15-Apr	21-Apr	19-Apr	42	14-Oct	20-Oct	18-Oct
17	22-Apr	28-Apr	26-Apr	43	21-Oct	27-Oct	25-Oct
18	29-Apr	5-May	3-May	44	28-Oct	3-Nov	1-Nov
19	6-May	12-May	10-May	45	4-Nov	10-Nov	8-Nov
20	13-May	19-May	17-May	46	11-Nov	17-Nov	15-Nov
21	20-May	26-May	24-May	47	18-Nov	24-Nov	22-Nov
22	27-May	2-Jun	31-May	48	25-Nov	1-Dec	29-Nov
23	3-Jun	9-Jun	7-Jun	49	2-Dec	8-Dec	6-Dec
24	10-Jun	16-Jun	14-Jun	50	9-Dec	15-Dec	15-Dec
25	17-Jun	23-Jun	21-Jun	51	16-Dec	22-Dec	22-Dec
26	24-Jun	30-Jun	28-Jun	52	23-Dec	31-Dec	2-Jan-19