



January 1, 2018- March 3, 2018

Epidemiology Bureau
 Public Health Surveillance Division

Trend in the Philippines

A total of **494** leptospirosis cases were reported nationwide from January 1 to March 3, 2018. This is **35.7%** higher compared to the same time period last year (364).

Fig. 1 Reported Leptospirosis Cases by Morbidity Week
 Philippines, as of January 1, 2018-March 3, 2018* (N=494)

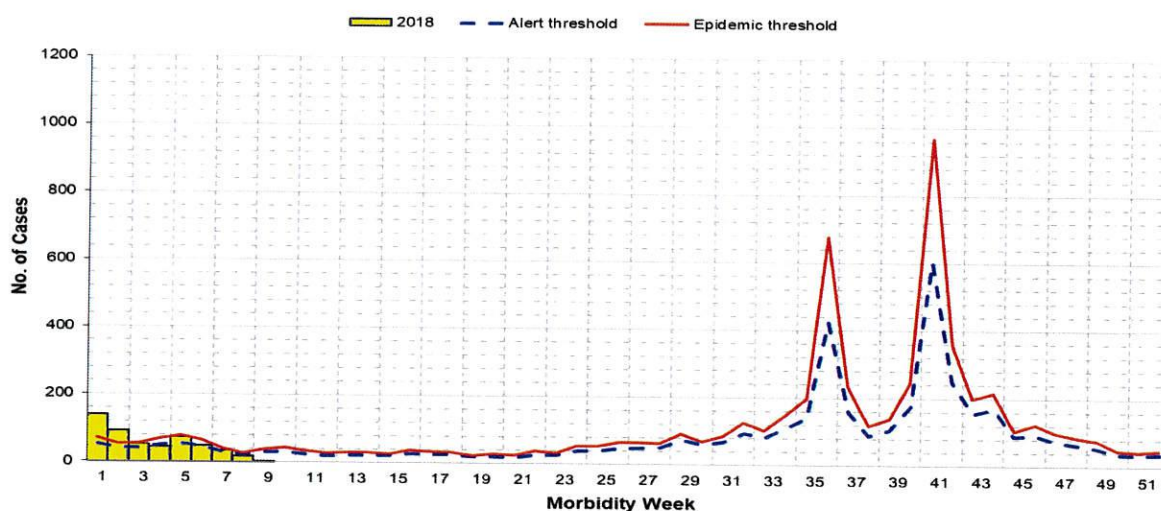
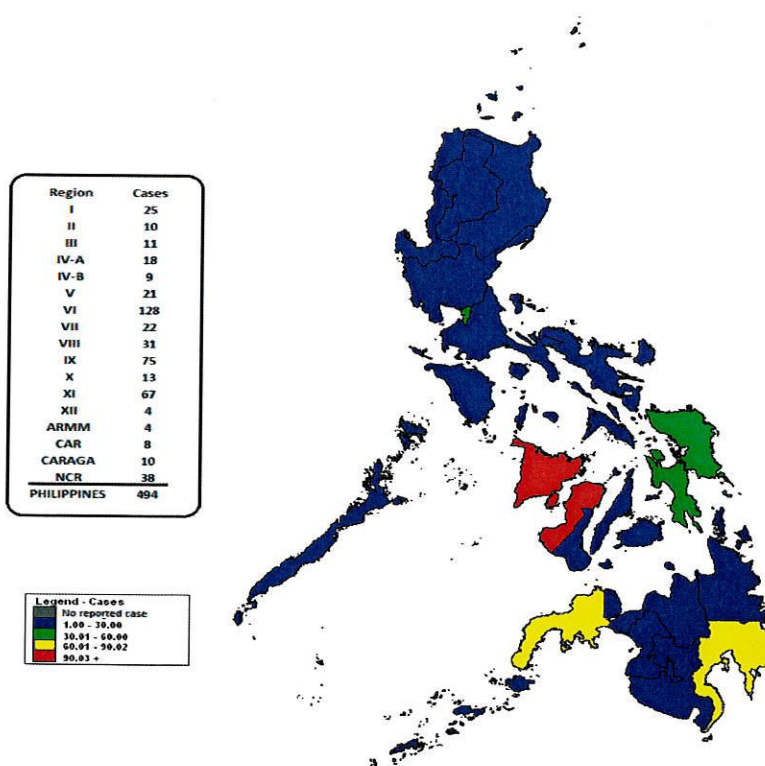


Fig. 2 Reported Leptospirosis Cases by Region,
 Philippines, as of January 1, 2018-March 3, 2018* (N=494)



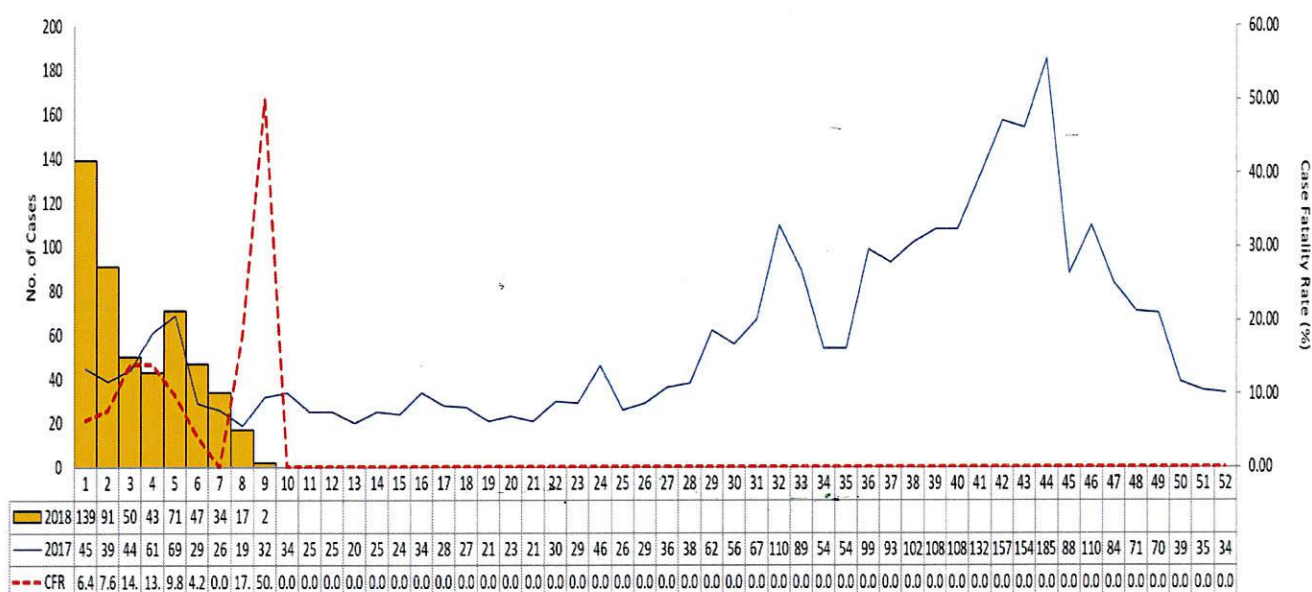
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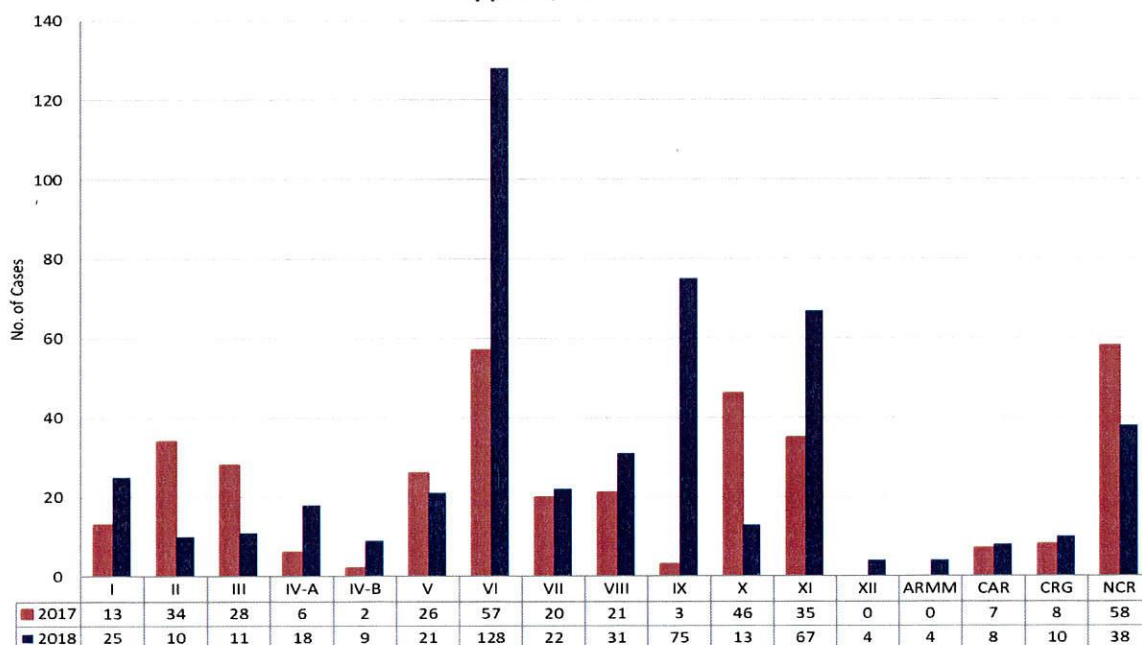
Fig. 3 Reported Leptospirosis Cases by Morbidity Week, Philippines, as of January 1, 2018-March 3, 2018*
2018 vs 2017 (N=494)



Geographic Distribution

Most of the cases were from the following regions: **REGION VI** (25.9%), **REGION IX** (15.2%), **REGION XI** (13.6%), **NCR** (7.7%) and **REGION VIII** (6.3%).

Fig. 4 Reported Leptospirosis Cases by Region Philippines, 2018* vs 2017



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Profile of Cases

Ages of cases ranged from less than 1 year old to 88 years old (median = 29 years). Majority (84.6%) of cases were male. Most (16%) of the cases belonged to the age group of 15-19 years old (Fig. 5). There were 42 deaths (CFR = 8.50%). The 55-59 age group (Fig. 6) has the highest CFR (19.05%).

Fig. 5 Reported Leptospirosis Cases by Age Group and Sex
 Philippines, as of January 1, 2018-March 3, 2018* (N=494)

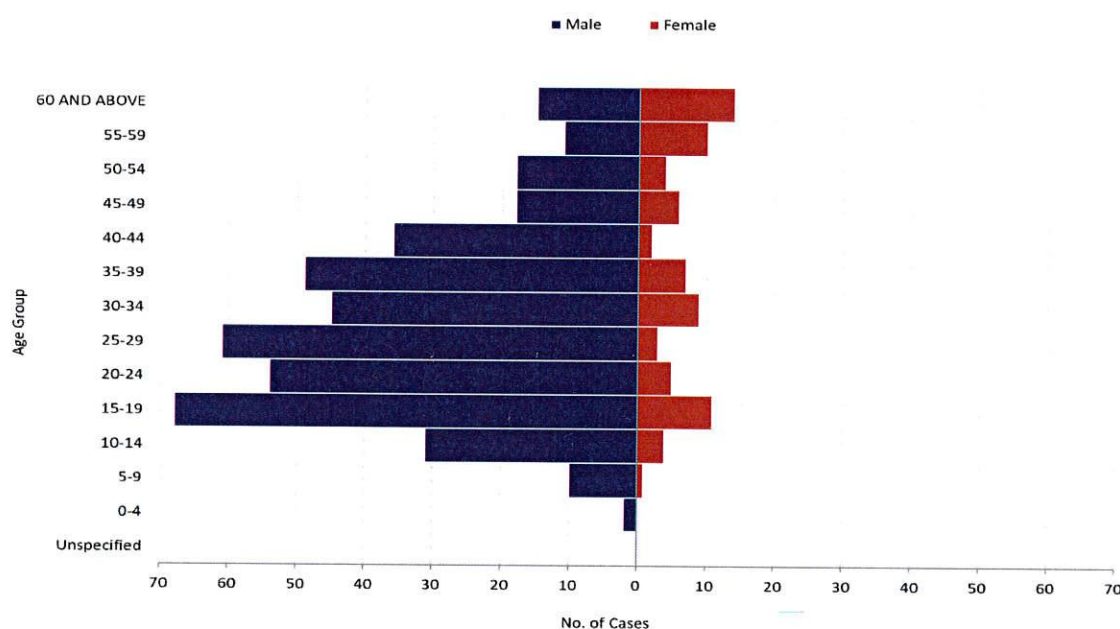
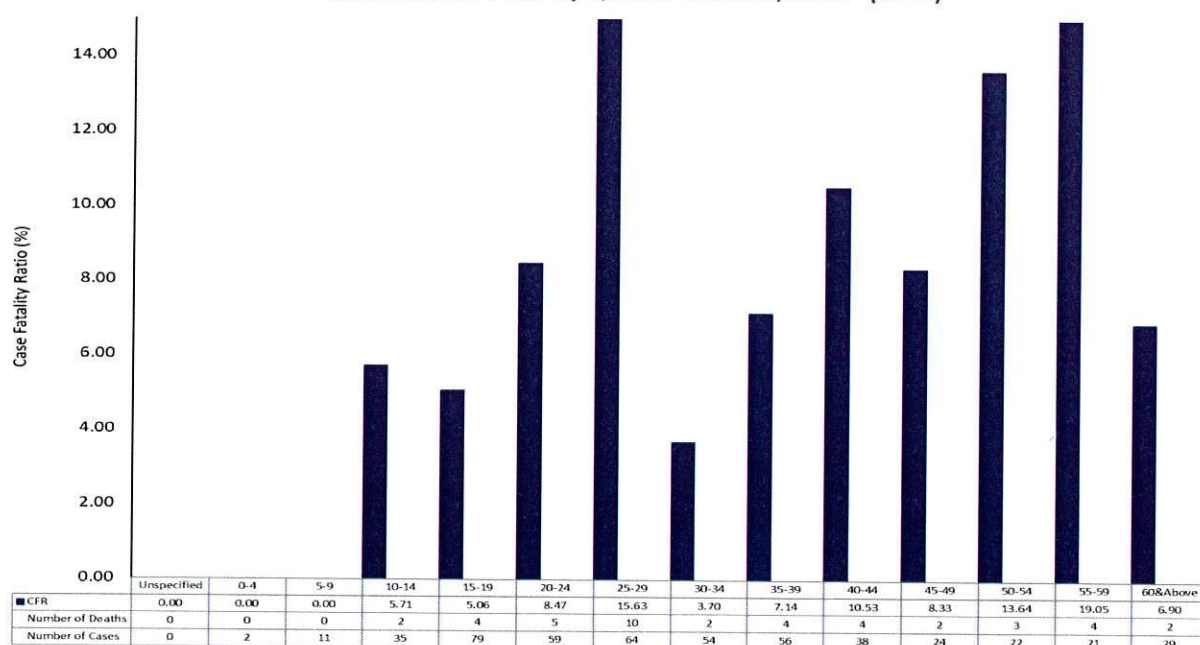


Fig. 6 Reported Leptospirosis Case Fatality Rate (CFR) by Age Group,
 Philippines, as of January 1, 2018-March 3, 2018* (n=42)



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Table 1. Leptospirosis Cases & Deaths by Region
Philippines, 2018* vs 2017

Region	Cases			Deaths			
	2018	2017	% Change	2018	CFR (%)	2017	CFR (%)
I	25	13	↑ 92.3	3	12.00	1	7.69
II	10	34	↓ -70.6	1	10.00	2	5.88
III	11	28	↓ -60.7	1	9.09	3	10.71
IV-A	18	6	↑ 200.0	1	5.56	1	16.67
IV-B	9	2	↑ 350.0	1	11.11	0	0.00
V	21	26	↓ -19.2	1	4.76	2	7.69
VI	128	57	↑ 124.6	13	10.16	6	10.53
VII	22	20	↑ 10.0	1	4.55	2	10.00
VIII	31	21	↑ 47.6	1	3.23	2	9.52
IX	75	3	↑ 2400.0	1	1.33	1	33.33
X	13	46	↓ -71.7	1	7.69	2	4.35
XI	67	35	↑ 91.4	7	10.45	2	5.71
XII	4	0	↑ 400.0	1	25.00	0	0.00
ARMM	4	0	↑ 400.0	1	25.00	0	0.00
CAR	8	7	↑ 14.3	0	0.00	0	0.00
CARAGA	10	8	↑ 25.0	1	10.00	0	0.00
NCR	38	58	↓ -34.5	7	18.42	9	15.52
Total	494	364	↑ 35.7	42	8.50	33	9.07

Figures 7-23. Leptospirosis Alert and Epidemic Thresholds per Region as of January 1-March 3, 2018*

Fig. 7 Reported Leptospirosis Cases by Morbidity Week
Region I, as of January 1-March 3, 2018 (n=25)

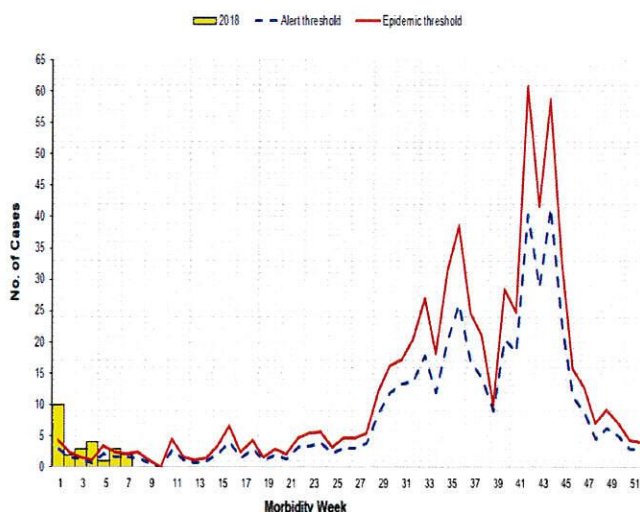
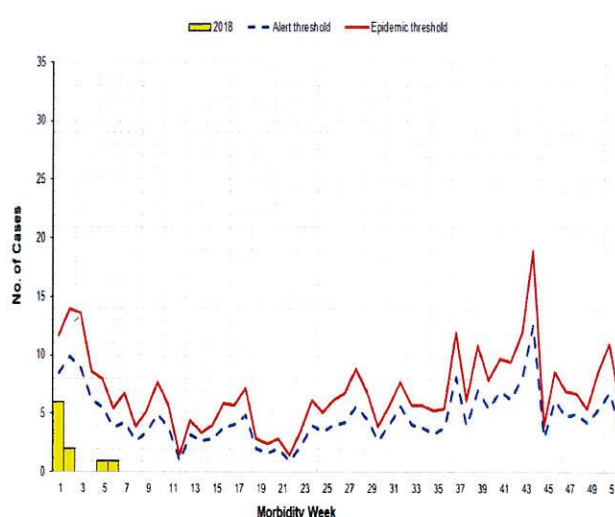


Fig. 8 Reported Leptospirosis Cases by Morbidity Week
Region II, as January 1-March 3, 2018 (n=10)



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Fig. 9 Reported Leptospirosis Cases by Morbidity Week
Region III, as of January 1-March 3, 2018 (n=11)

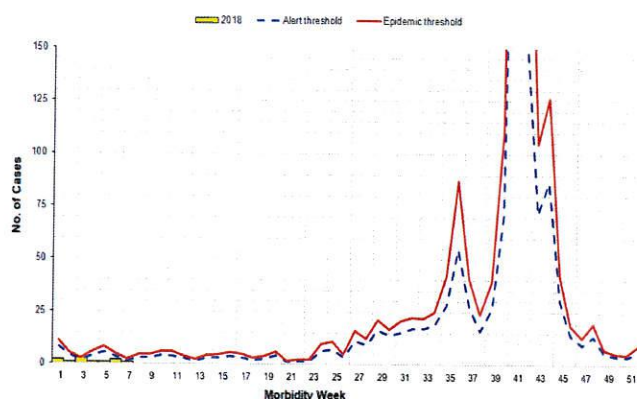


Fig. 10 Reported Leptospirosis Cases by Morbidity Week
Region IV-A, as of January 1-March 3, 2018 (n=18)

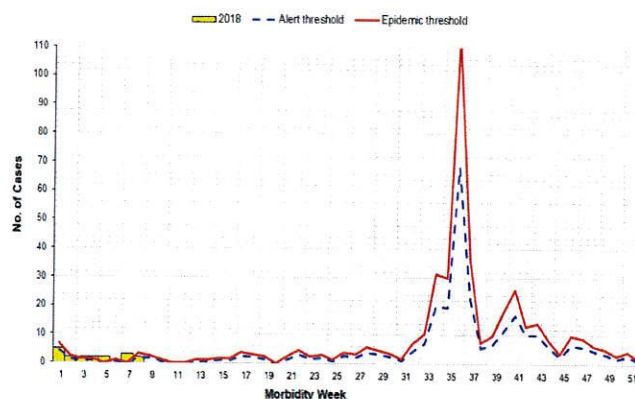


Fig. 11 Reported Leptospirosis Cases by Morbidity Week
Region IV-B, as of January 1-March 3, 2018 (n=9)

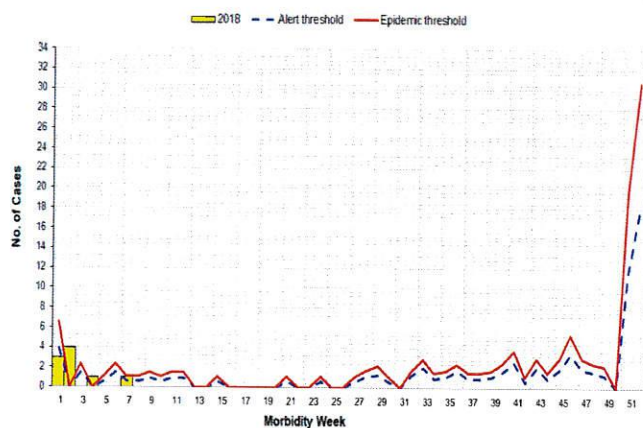


Fig. 12 Reported Leptospirosis Cases by Morbidity Week
Region V, as of January 1-March 3, 2018 (n=21)

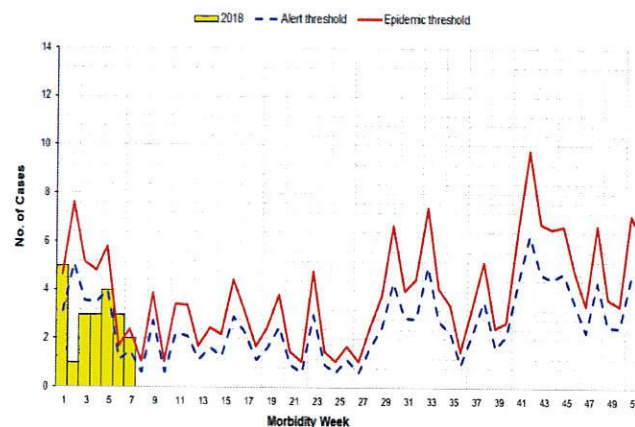


Fig. 13 Reported Leptospirosis Cases by Morbidity Week
Region VI, as of January 1-March 3, 2018 (n=128)

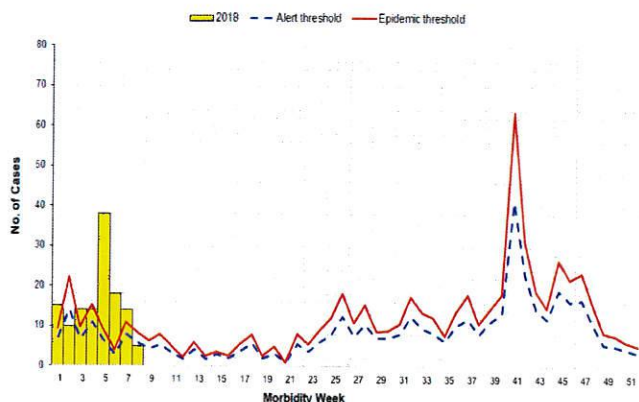
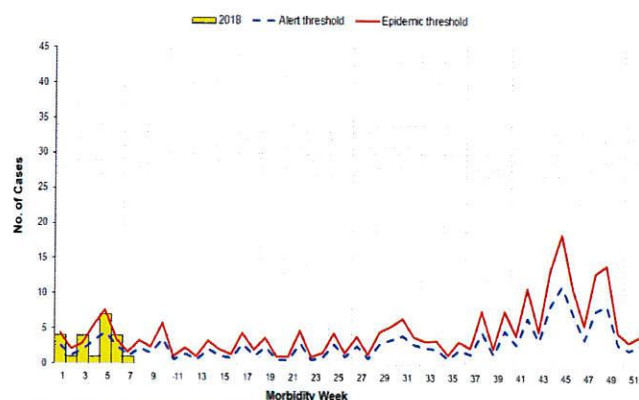


Fig. 14 Reported Leptospirosis Cases by Morbidity Week
Region VII, as of January 1-March 3, 2018 (n=22)



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Fig. 15 Reported Leptospirosis Cases by Morbidity Week
Region VIII, as of January 1-March 3, 2018 (n=31)

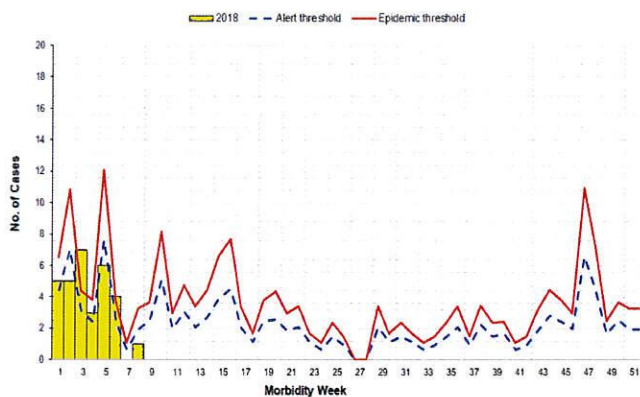


Fig. 16 Reported Leptospirosis Cases by Morbidity Week
Region IX, as of January 1-March 3, 2018 (n=75)

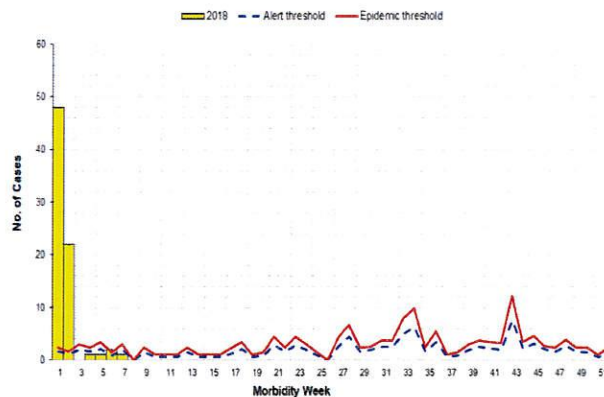


Fig. 17 Reported Leptospirosis Cases by Morbidity Week
Region X, as of January 1-March 3, 2018 (n=13)

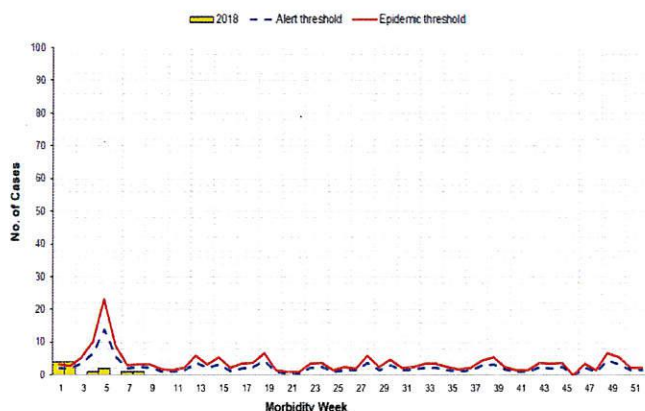


Fig. 18 Reported Leptospirosis Cases by Morbidity Week
Region XI, as of January 1-March 3, 2018 (n=67)

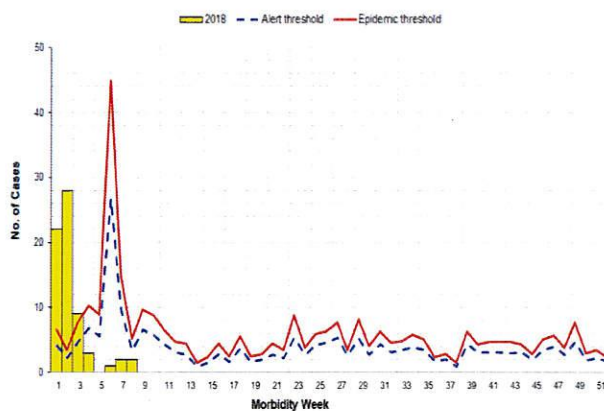


Fig. 19 Reported Leptospirosis Cases by Morbidity Week
Region XII, as of January 1-March 3, 2018 (n=4)

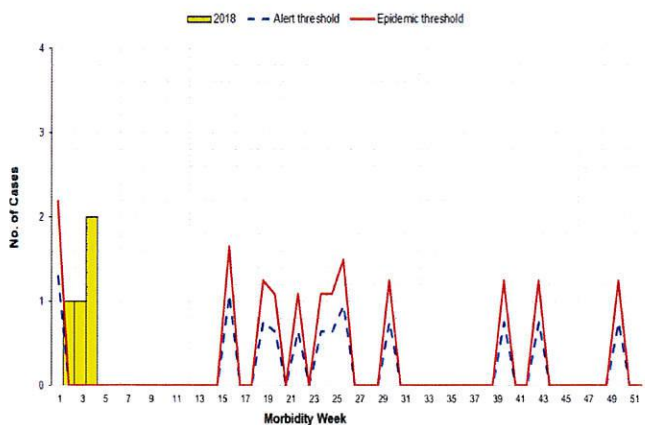
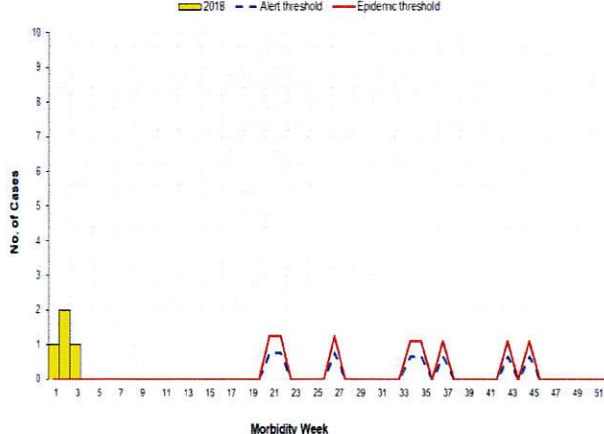


Fig. 20 Reported Leptospirosis Cases by Morbidity Week
ARMM, as of January 1-March 3, 2018 (n=4)



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Fig. 21 Reported Leptospirosis Cases by Morbidity Week
CAR, as of January 1-March 3, 2018 (n=8)

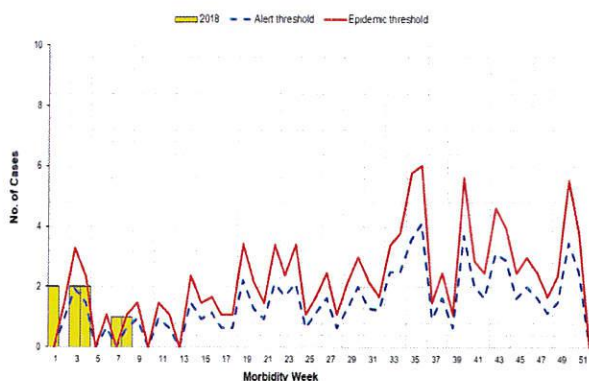


Fig. 22 Reported Leptospirosis Cases by Morbidity Week
CARAGA, as of January 1-March 3, 2018 (n=10)

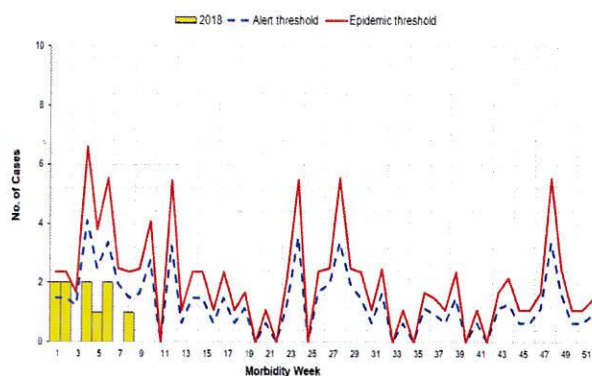
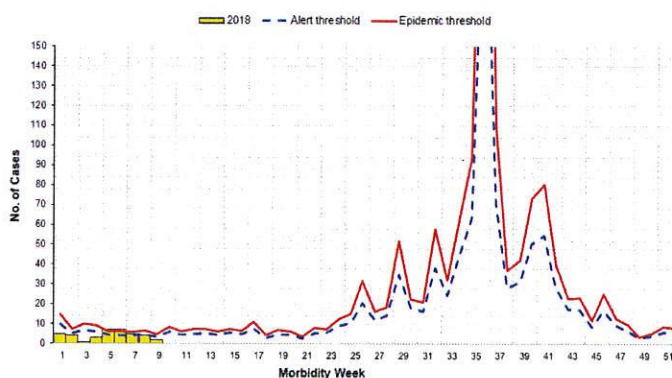


Fig. 23 Reported Leptospirosis Cases by Morbidity Week
NCR, as of January 1-March 3, 2018 (n=38)



Increased Number of Reported Leptospirosis Cases

There is an increase number of cases noted in Region I, Region IV-A, Region IV-B, Region VI, Region VII, Region VIII, Region IX, Region XI, Region XII, ARMM, CAR and CARAGA. Some areas in Region VI, Region IX and Region XI are noted with clustering of cases. Validation of the cases are done. This prompted further investigations and intensified surveillance activities to address this health concern. On the otherhand, distribution of cases in the municipalities and barangays of the other regions are widely distributed, with no clustering of cases noted. Continuous monitoring and management of the cases are done to oversee a possible clustering of cases that may lead to an outbreak.



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