



Introduction

Leptospirosis is a bacterial disease affecting both humans and animals. The early stages of the disease may include high fever, severe headache, muscle pain, chills, redness in the eyes, abdominal pain, jaundice, hemorrhages in skin and mucous membranes (including pulmonary bleeding), vomiting, diarrhea and rashes.

Caused by pathogenic *Leptospira* species bacteria, human infection occurs through direct contact with urine of infected animals or by contact with a urine-contaminated environment. Leptospirae can gain entry through cuts and abrasions in the skin and through mucous membranes of the eyes, nose and mouth.

Leptospirosis has low case fatality rate, however, it increases with advancing age and may reach 20% or more in patients with jaundice and kidney damage (Weil's disease) who have not been treated with renal dialysis.

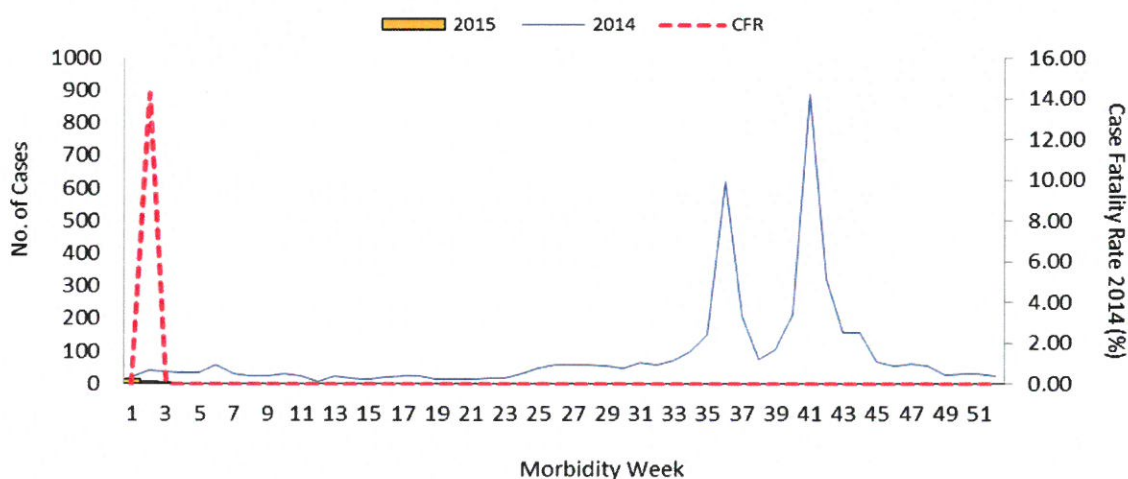
Trend in the Philippines

A total of 23 suspect leptospirosis cases was reported nationwide from January 1 to January 24, 2015. This is **77.5%** lower compared to the same time period last year (**102**).

Geographic Distribution

Most of the cases were from the following regions: **REGION VIII** (17.4%), **REGION III & Region VII** (13%).

Fig. 1 Suspect Leptospirosis Cases by Morbidity Week, Philippines, as of January 24, 2015
2015* vs 2014 (N=23)



**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.*



Morbidity Week 2 – January 11 –January 24, 2015

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Profile of Cases

Ages of cases ranged from 17 to 58 years old (median = 36.0 years). Majority (87%) of cases were male. Most (43.5%) of the cases belonged to the age group of 15 to 24 years old (Fig. 2). There were 1 death (4.35%).

Fig. 2 Suspect Leptospirosis Cases by Agegroup and Sex
Philippines, as of January 24, 2015 (N=23)

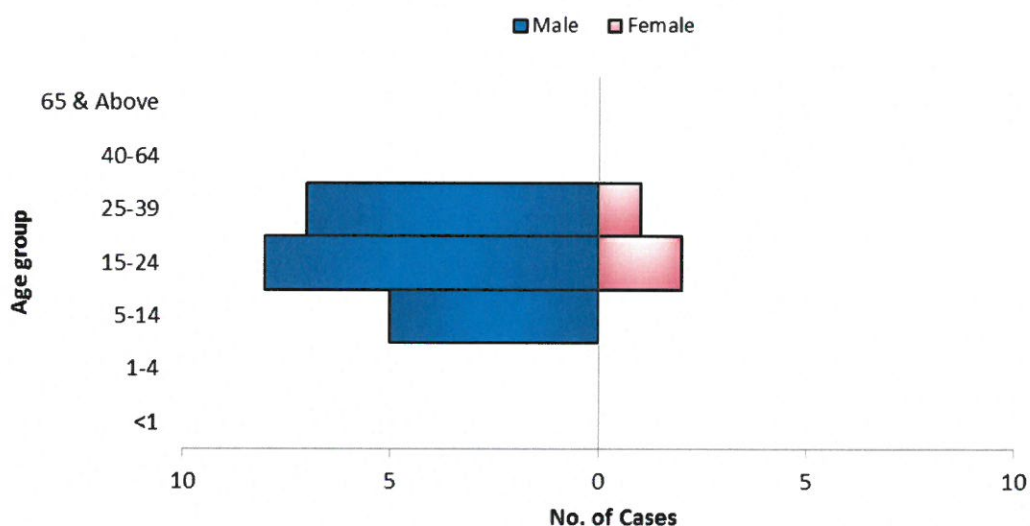
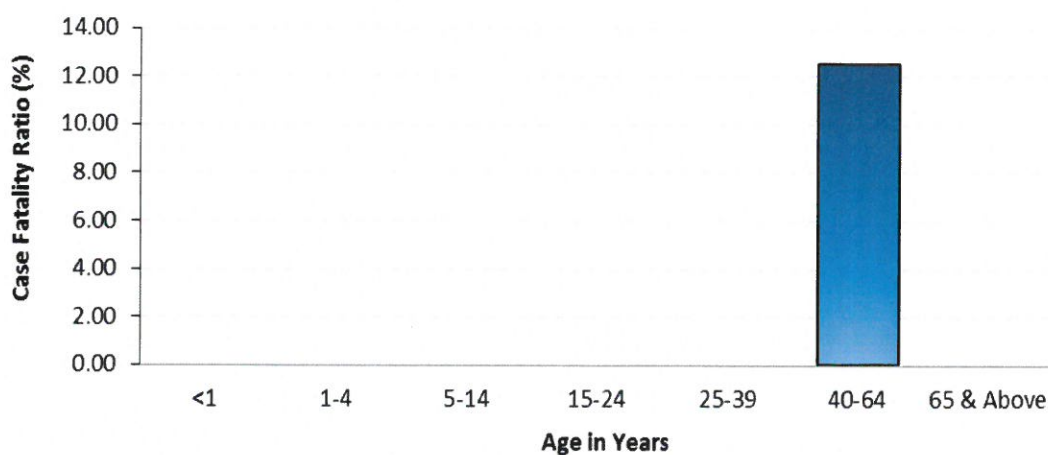


Fig. 3 Suspect Leptospirosis Case Fatality Rate (CFR) by Age Group,
Philippines, as of January 24, 2015



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Fig. 4 Suspect Leptospirosis Cases by Region
Philippines, 2015 vs 2014

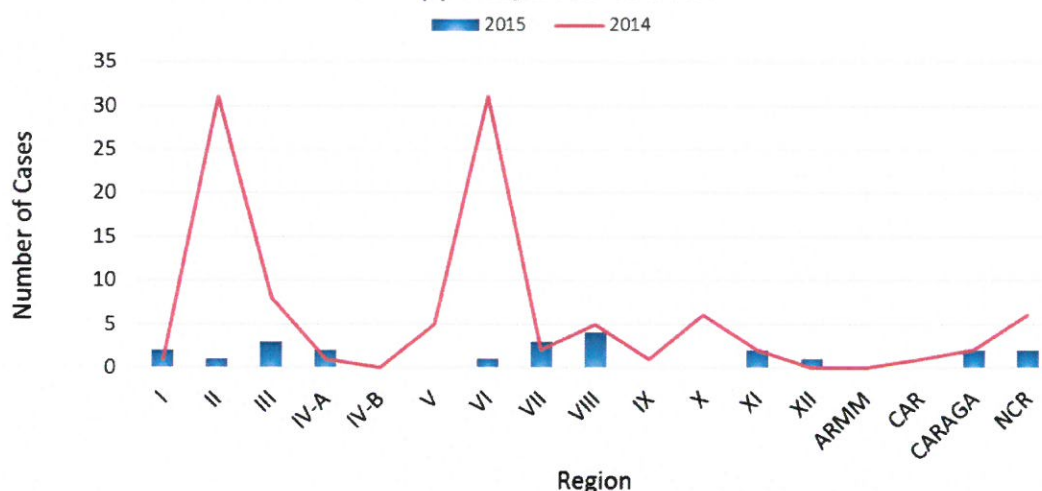


Table 1. Leptospirosis Cases & Deaths by Region
Philippines, 2015* vs 2014

Region	Cases			Deaths			
	2015	2014	% Change	2015	CFR (%)	2014	CFR (%)
I	2	1	↑ 100.0	0	0.00	0	0.00
II	1	31	↓ -96.8	0	0.00	1	3.23
III	3	8	↓ -62.5	0	0.00	0	0.00
IV-A	2	1	↑ 100.0	1	50.00	0	0.00
IV-B	0	0	→ 0.0	0	0.00	0	0.00
V	0	5	↓ -100.0	0	0.00	0	0.00
VI	1	31	↓ -96.8	0	0.00	2	6.45
VII	3	2	↑ 100.0	0	0.00	0	0.00
VIII	4	5	↓ -20.0	0	0.00	0	0.00
IX	0	1	↓ -100.0	0	0.00	0	0.00
X	0	6	↓ -600.0	0	0.00	1	16.67
XI	2	2	→ 0.0	0	0.00	0	0.00
XII	1	0	↑ 100.0	0	0.00	0	0.00
ARMM	0	0	→ 0.0	0	0.00	0	0.00
CAR	0	1	↓ -100.0	0	0.00	0	0.00
CARAGA	2	2	→ 0.0	0	0.00	0	0.00
NCR	2	6	↓ -66.7	0	0.00	0	0.00
Total	23	102	↓ -77.5	1	4.35	4	3.92

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Table 2. Weekly Leptospirosis Summary Report by Region
Philippines, as of January 24, 2015

Region	Morbidity Week		3rd Morbidity Week		Cumulative Total 1st wk to 3rd wk	
	1	2	2015	2014	2015	2014
I	2	0	0	1	2	1
II	1	0	0	12	1	31
III	2	1	1	1	3	8
IV-A	0	2	1	1	2	1
IV-B	0	0	0	0	0	0
V	0	0	0	2	0	5
VI	1	0	0	8	1	31
VII	3	0	0	2	3	2
VIII	2	1	0	3	4	5
IX	0	0	0	0	0	1
X	0	0	0	4	0	6
XI	1	1	0	1	2	2
XII	0	1	0	0	1	0
ARMM	0	0	0	0	0	0
CAR	0	0	0	0	0	1
CARAGA	2	0	0	1	2	2
NCR	1	1	0	3	2	6
Total	15	7	2	39	23	102

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