



### TREND IN THE PHILIPPINES

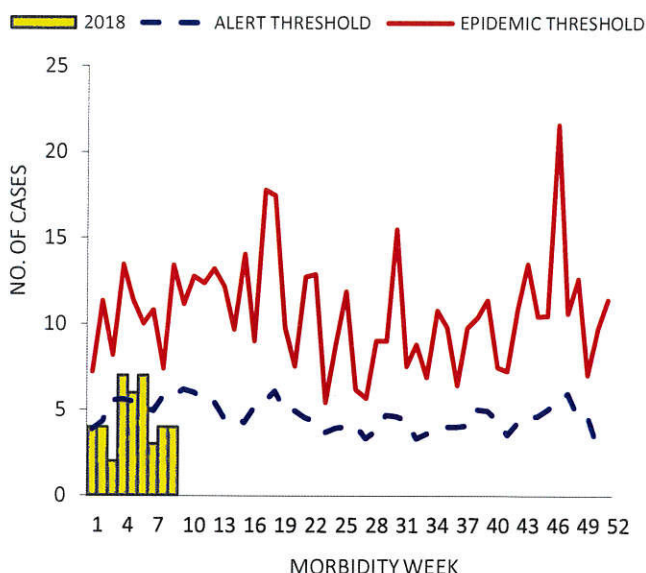
A total of **41** pertussis cases were reported nationwide from January 1 – March 3, 2018. This is **19.61% lower** than the same period last year (51 cases). Figure 1 shows the distribution of the reported pertussis cases in the country by morbidity week. There were two reported deaths with a CFR of 4.88%.

### GEOGRAPHIC DISTRIBUTION

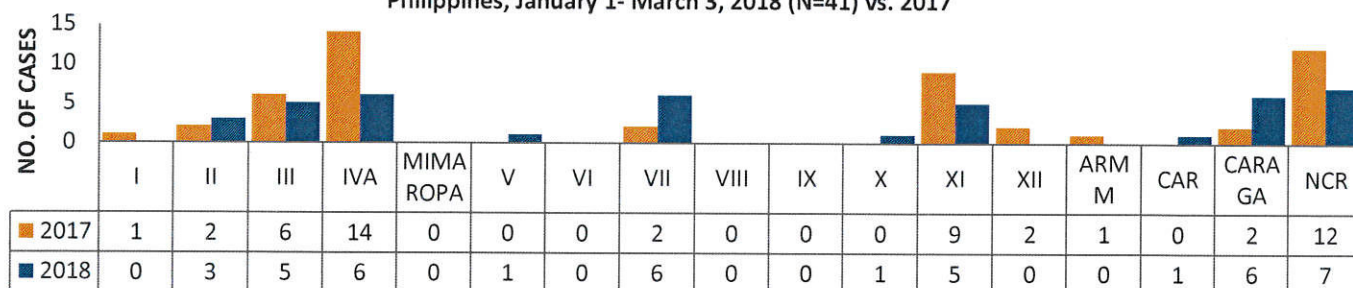
The number of pertussis cases varies by region. Figure 2 shows the distribution of reported pertussis cases by region in comparison to the same time period last year.

Table 1 indicates the reported pertussis cases by region in the Philippines. Seven (17.07%) cases were confirmed out of 41 cases. Majority of the reported pertussis cases came from NCR (7, 17.07%) followed by Regions IVA, VII and CARAGA with 6 cases each (14.63%). (See Annex A for case distribution by Barangay) No pertussis clusters<sup>(1)</sup> were identified as of March 3, 2018.

**Fig. 1 Alert and Epidemic Thresholds and Reported Pertussis Cases by Morbidity Week, Philippines, January 1 - March 3, 2018 (N=41)**



**Fig. 2 Reported Pertussis Cases by Region, Philippines, January 1- March 3, 2018 (N=41) vs. 2017**



**Table 1. Case Classification and Outcome of Reported Pertussis Cases by Region, Philippines, January 1- March 3, 2018 (N=41)**

REGION	Case Classification		Reported Cases	Deaths	CFR %
	Confirmed Cases	Suspect Cases			
I	0	0	0	0	-
II	1	2	3	2	66.67
III	3	2	5	0	0.00
IVA	1	5	6	0	0.00
MIMAROPA	0	0	0	0	-
V	0	1	1	0	0.00
VI	0	0	0	0	-
VII	0	6	6	0	0.00
VIII	0	0	0	0	-
IX	0	0	0	0	-
X	0	1	1	0	0.00
XI	0	5	5	0	0.00
XII	0	0	0	0	-
ARMM	0	0	0	0	-
CAR	0	1	1	0	0.00
CARAGA	0	6	6	0	0.00
NCR	2	5	7	0	0.00
<b>PHILIPPINES</b>	<b>7</b>	<b>34</b>	<b>41</b>	<b>2</b>	<b>4.88</b>

Case counts reported here do NOT represent the final number and are subject to change after inclusion of delayed reports and review of cases. 2017 data reflects annual data of all Regions, except Region 12.

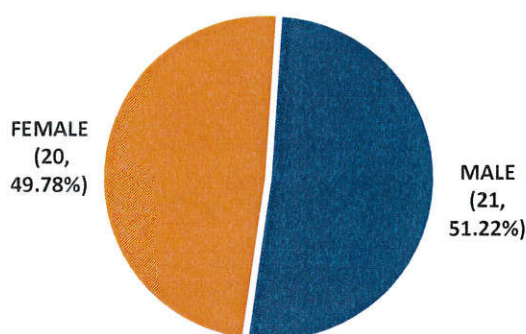
<sup>(1)</sup>Cluster Definition: 2 or more pertussis cases from the same barangay, reported within 4 consecutive weeks.



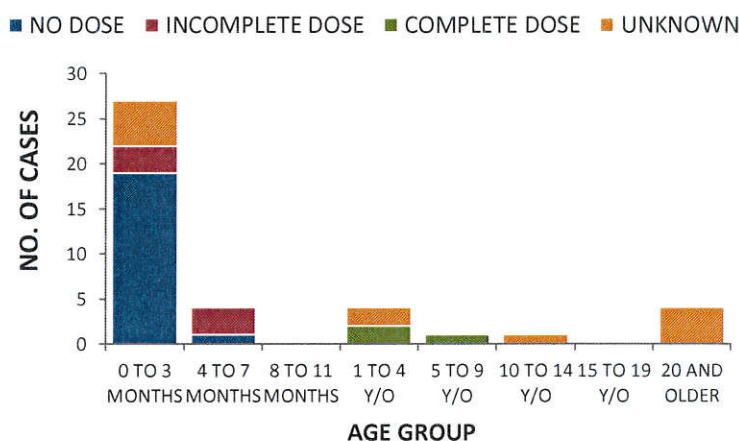
### PROFILE OF CASES

There are **21 (51.22%) males and 20 (48.78%) females** among the reported pertussis cases (Figure 3). As shown in Figure 4, majority of the cases (27, 65.85%) belonged to the **0 to 3 months old age group**. Almost half of the cases (**20, 48.78%) were not vaccinated** with the DPT/pentavalent vaccine. Twelve cases (29.27%) had unknown vaccination status, 6 (14.63%) received an incomplete dose, while the remaining 3 cases (7.32%) received a complete primary dose of the vaccine.

**Fig. 3 Reported Pertussis Cases by Sex, Philippines, January 1- March 3, 2018 (N=41)**



**Fig. 4 Reported Pertussis Cases by Vaccination Status and Age Group, Philippines, January 1- March 3, 2018 (N=41)**



### Standard Case Definition of Pertussis

#### • Clinical Case:

- A person with a cough lasting at least 2 weeks with at least one of the following:
  - paroxysms (i.e. fits) of coughing
  - inspiratory “whooping”
  - post-tussive vomiting (i.e. vomiting immediately after coughing)
  - without other apparent cause

### Case classification

#### • Clinically-confirmed case:

- A case that meets the clinical case definition but is not laboratory confirmed.

#### • Probable case:

- Meets the clinical case definition, is not laboratory confirmed, and is not epidemiologically linked to a laboratory-confirmed case.

#### • Laboratory-confirmed case:

- A case of acute cough illness of any duration with a positive culture for *B. pertussis*; OR
- A case that meets the clinical case definition and is confirmed by PCR; OR
- A case that meets the clinical definition and is epidemiologically linked directly to a case confirmed by either culture or PCR.

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**ANNEX A. REPORTED PERTUSSIS CASES BY CASE CLASSIFICATION AND BARANGAY**

REPORTED PERTUSSIS CASES, PHILIPPINES, JANUARY 1 - MARCH 3, 2018 (N=41)						
REGION	PROVINCE	MUNICIPALITY/CITY	BARANGAY	CONFIRMED CASES	SUSPECT CASES	REPORTED CASES
02	CAGAYAN	ABULUG	LUCBAN	1	0	1
		BALLESTEROS	FUGU	0	1	1
		TUGUEGARAO CITY	LINAO EAST	0	1	1
03	PAMPANGA	ANGELES CITY	AMSIC	1	0	1
		CANDABA		1	0	1
		LUBAO	SANTA MONICA	0	1	1
		MABALACAT	MABIGA	0	1	1
	TARLAC	CONCEPCION	CAFE	1	0	1
	04A	CAVITE	GENERAL TRIAS	BICLATAN	0	1
SAN FRANCISCO				0	1	1
IMUS			MALAGASANG	0	1	1
TRECE MARTIRES CITY			LAPIDARIO (BAYOG)	1	0	1
QUEZON		LUCENA CITY	MAYAO CROSSING	0	1	1
RIZAL		CAINTA	SAN ANDRES (POB.)	0	1	1
05	CAMARINES SUR	PAMPLONA	BURABOD	0	1	1
07	CEBU	CEBU CITY	INAYAWAN	0	1	1
			LAHUG (POB.)	0	1	1
		LAPU-LAPU CITY	PAJAC	0	1	1
		MINGLANILLA	MANDUANG	0	1	1
		NAGA	LANAS	0	1	1
		SAMBOAN	CANORONG	0	1	1
10	BUKIDNON	IMPASUG-ONG	DUMALAGUING	0	1	1
11	DAVAO CITY	DAVAO CITY	ALEJANDRA NAVARRO (LASANG)	0	1	1
	CABANTIAN		0	1	1	
	CENTRO (SAN JUAN)		0	1	1	
	TALOMO (POB.)		0	1	1	
	TAGUM CITY		VISAYAN VILLAGE	0	1	1
CAR	APAYAO	LUNA	SANTA LINA	0	1	1
CARAGA	AGUSAN DEL NORTE	MAGALLANES	MARCOS	0	1	1
		REMEDIOS T. ROMUALDEZ	POBLACION I (AGAY)	0	1	1
		TUBAY	LAWIGAN	0	1	1
	CABADBARAN CITY	CABADBARAN CITY	POBLACION 1	0	1	1
			COMAGASCAS	0	1	1
			LA UNION	0	1	1
NCR	METRO MANILA	CALOOCAN CITY	BAGUMBONG	1	0	1
		PASIG CITY	SAN ANDRES	0	1	1
		QUEZON CITY	APOLONIO SAMSON	0	1	1
			OLD CAPITOL SITE	0	1	1
			PASONG TAMO	0	1	1
			TATALON	0	1	1
		TAGUIG CITY	CENTRAL SIGNAL VILLAGE	1	0	1
PHILIPPINES				7	34	41