



**Epidemiology Bureau**

**Public Health Surveillance Division**

**TRENDS IN THE PHILIPPINES**

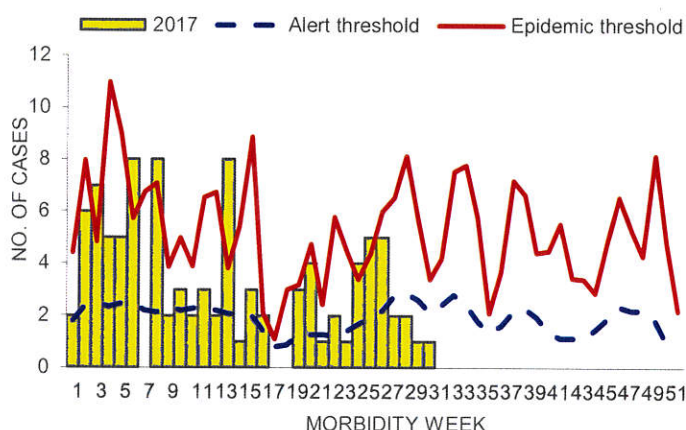
A total of **98** diphtheria cases were reported nationwide from January 1 – August 5, 2017. This is **27.3%** higher compared to the same period last year (77 cases). Figure 1 shows the distribution of the reported diphtheria cases in the country by morbidity week.

**GEOGRAPHIC DISTRIBUTION**

The number of diphtheria cases vary by region. Figure 2 shows the distribution of reported diphtheria cases by region in comparison to the same time period last year. There is an increase in the number of reported cases from regions 3, 4A, MIMAROPA, 6, 9, 11 and NCR and a sustained presence of diphtheria cases in regions 1, 5, 12, ARMM and CAR.

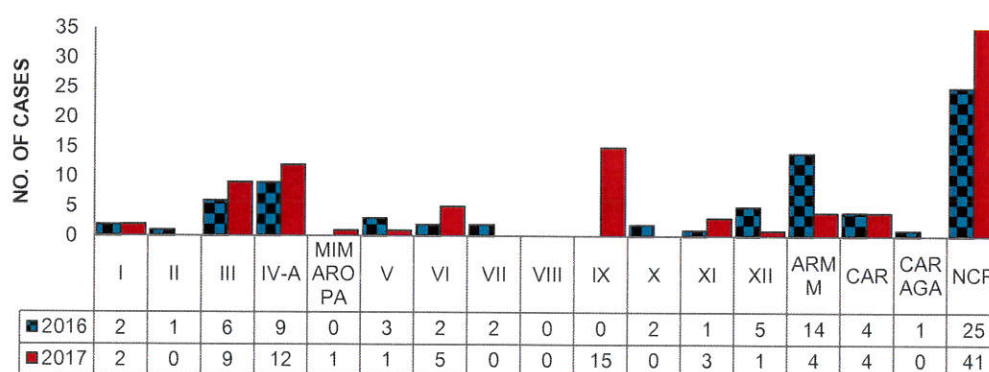
Table 1 indicates the reported diphtheria cases by region in the Philippines. Majority of the reported diphtheria cases came from NCR (41.84%) and Region 9 (15.31%). (See Annex A for case distribution by Barangay)

**Fig. 1 Alert and Epidemic Thresholds and Reported Diphtheria Cases by Morbidity Week, Philippines, as of August 5, 2017 (N=98)**



Two diphtheria cluster<sup>(1)</sup> were identified as of August 5, 2017. No new cluster<sup>(1)</sup> of diphtheria cases identified within the past 4 Morbidity Weeks. (See Annex B for case distribution by Cluster<sup>(1)</sup>)

**Fig. 2 Reported Diphtheria Cases by Region and 2016 vs 2017, Philippines, as of August 5, 2017 (N=98)**



**Table 1. Case Classification of Reported Diphtheria Cases by Region and Outcome, Philippines, as of August 5, 2017 (N=98)**

REGION	Case Classification		Reported Cases	Died	CFR %
	Confirmed Cases	Probable Cases			
I	0	2	2	0	0.00
II	0	0	0	0	0.00
III	6	3	9	1	11.11
IV-A	2	10	12	3	25.00
MIMAROPA	0	1	1	1	100.00
V	0	1	1	1	100.00
VI	0	5	5	2	40.00
VII	0	0	0	0	0.00
VIII	0	0	0	0	0.00
IX	6	9	15	5	33.33
X	0	0	0	0	0.00
XI	1	2	3	2	66.67
XII	1	0	1	0	0.00
ARMM	0	4	4	1	25.00
CAR	0	4	4	0	0.00
CARAGA	0	0	0	0	0.00
NCR	22	19	41	8	19.51
PHL	38	60	98	24	24.49



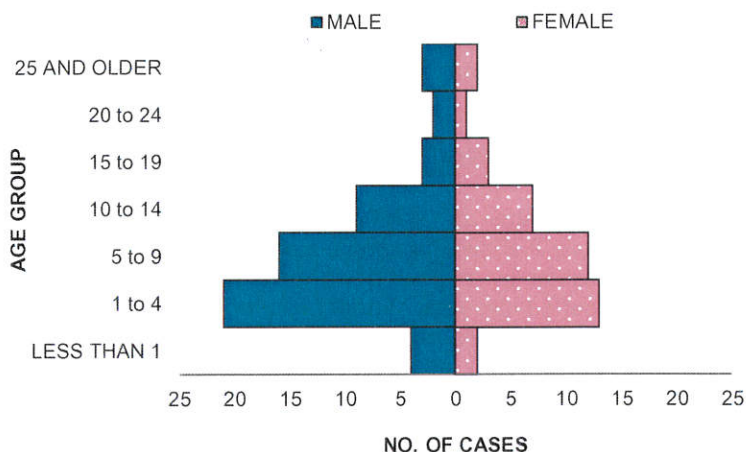
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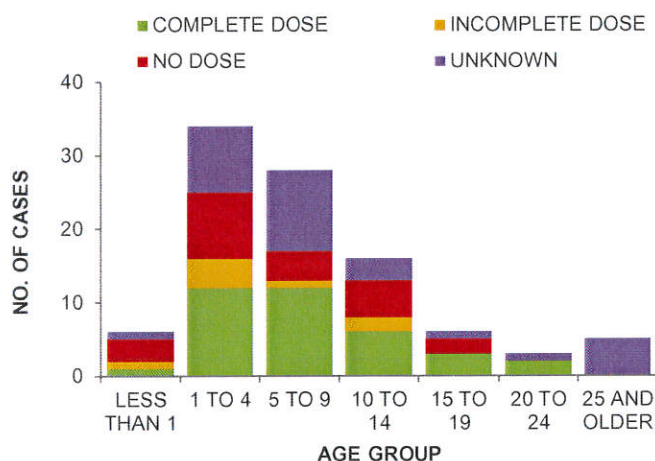
### PROFILE OF CASES

As shown in figure 3, there are **58 males and 40 females** and most (34.69%) of them belonged to the 1 to 4 year old age group. Immunization status of 36 (36.73%) of reported cases received complete dose of DPT/pentavalent while 31 (31.63%) of reported cases were unknown (Figure 4). Twenty four (24%) of the reported diphtheria cases have **died** (Figure 5).

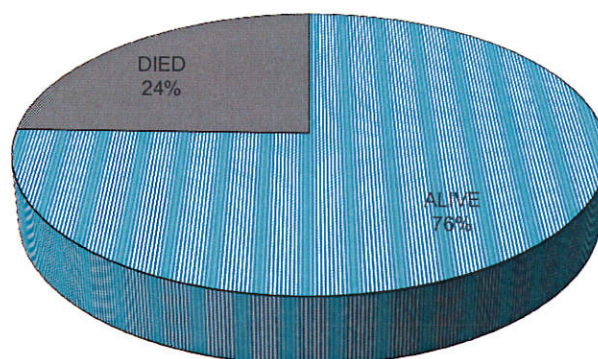
**Fig. 3 Reported Diphtheria Cases by Age Group and Sex, Philippines, as of August 5, 2017 (N=98)**



**Fig. 4 Reported Diphtheria Cases by DPT Doses and Age Group, Philippines, as of August 5, 2017 (N=98)**



**Fig. 5 Reported Diphtheria Cases by Outcome, Philippines, as of August 5, 2017 (N=98)**



### Standard Case Definition of Diphtheria:

• **Probable Case:**

- A person with an illness of the upper respiratory tract characterized by laryngitis or pharyngitis or tonsillitis, and adherent membranes on tonsils, pharynx and/or nose.

• **Confirmed Case:**

- A probable case that is laboratory confirmed or linked epidemiologically to a laboratory-confirmed case.

**Note:** Persons with positive *Corynebacterium diphtheriae* cultures who do not meet the clinical description (i.e. asymptomatic carriers) should not be reported as probable or confirmed diphtheria cases.







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

REPORTED DIPHTHERIA CASES, PHILIPPINES, JANUARY 1 - AUGUST 5, 2017 (N=98)						
REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
01	PANGASINAN	ASINGAN	ARISTON ESTE	0	1	1
		VILLASIS	TOMBOD	0	1	1
03	BULACAN	BOCAUE	DUHAT	0	1	1
		MARILAO	LOMA DE GATO	1	0	1
		PULILAN	SANTA PEREGRINA	1	0	1
		SAN JOSE DEL MONTE CITY	MINUYAN PROPER	1	0	1
		GENERAL TINIO	NAZARETH	1	0	1
	NUEVA ECIJA	SCIENCE CITY OF MUÑOZ	POBLACION	1	0	1
		GERONA	SAN BARTOLOME	1	0	1
	TARLAC		TANGCARAN	0	1	1
		SAN MARCELINO	CONSUELO NORTE	0	1	1
04A	CAVITE	BACOR	MOLINO VI	0	1	1
			P.F. ESPIRITU V	1	0	1
		DASMARIÑAS	SANTO NIÑO II	0	1	1
		GENERAL TRIAS	MANGGAHAN	1	0	1
			SAN FRANCISCO	0	1	1
	LAGUNA	SILANG	SILANG PROPER	0	1	1
		LOS BAÑOS	SAN ANTONIO	0	1	1
		SAN PABLO CITY	SAN FRANCISCO	0	1	1
	QUEZON	SANTA ROSA	UNSPECIFIED	0	1	1
		LOPEZ	MAL-AY	0	1	1
		LUCENA CITY	DALAHICAN	0	1	1
	RIZAL	ANTIPOLO CITY	SAN ROQUE (POB.)	0	1	1
04B	OCCIDENTAL MINDORO	LUBANG	MALIIG	0	1	1
05	CAMARINES SUR	PAMPLONA	CAGBUNGA	0	1	1
06	ANTIQUE	SIBALOM	UNSPECIFIED	0	1	1
	ILOILO	ILOILO CITY	SANTA CRUZ	0	1	1
		LEGANES	POBLACION	0	1	1
		SAN DIONISIO	SAN NICOLAS	0	1	1
	NEGROS OCCIDENTAL	TALISAY CITY	ZONE 10 (POB.)	0	1	1
09	BASILAN	ISABELA CITY	SEASIDE (POB.)	0	1	1
	ZAMBOANGA DEL NORTE	LABASON	ANTONINO (POB.)	0	1	1
		SERGIO OSMEÑA SR.	SINAI	0	1	1
	ZAMBOANGA DEL SUR	ZAMBOANGA CITY	CAWIT	2	0	2
			LABUAN	1	0	1
			MAMPANG	1	1	2
			PASONANCA	1	0	1
			SAN ROQUE	0	1	1
			SANTA CATALINA	1	0	1
			TALISAYAN	0	1	1
			TALON-TALON	0	1	1
			TETUAN	0	1	1
			TIGTABON	0	1	1
11	DAVAO DEL SUR	DAVAO CITY	BUNAWAN (POB.)	0	1	1
			LUBOGAN	0	1	1
			MA-A	1	0	1





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**ANNEX A. REPORTED DIPHTHERIA CASES BY CASE CLASSIFICATION AND BARANGAY, *continuation***

REPORTED DIPHTHERIA CASES, PHILIPPINES, JANUARY 1 - AUGUST 5, 2017 (N=98)						
REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
12	COTABATO CITY	COTABATO CITY	BAGUA II	1	0	1
ARMM	MAGUINDANAO	BULUAN	UNSPECIFIED	0	1	1
		DATU ODIN SINSUAT	SEMBA	0	1	1
		SHARIFF AGUAK	LABU-LABU	0	1	1
		SULTAN KUDARAT	CROSSING SIMUAY	0	1	1
		CAR	BENGUET	BAGUIO CITY	HOLY GHOST EXTENSION	0
	SAN LUIS VILLAGE			0	1	1
TUBA	TWIN PEAKS			0	1	1
IFUGAO	KIANGAN		HUCAB	0	1	1
NCR	METRO MANILA	CALOOCAN CITY	176-PH8A	1	0	1
			BARANGAY 105	1	0	1
			BARANGAY 187	1	0	1
			BARANGAY 35	1	0	1
NCR	METRO MANILA	LAS PIÑAS CITY	MANUYO UNO	0	1	1
		MAKATI CITY	PIO DEL PILAR	0	1	1
		MALABON CITY	BARITAN	0	1	1
			CONCEPCION	0	1	1
			LONGOS	1	0	1
		MANDALUYONG CITY	ADDITION HILLS	1	0	1
		MANILA	BARANGAY 1	1	0	1
			BARANGAY 106	0	1	1
			BARANGAY 387	2	0	2
			BARANGAY 390	1	0	1
			BARANGAY 864	1	0	1
			PACO	1	0	1
		MUNTINLUPA CITY	ALABANG	0	1	1
		NAVOTAS	SAN ROQUE	0	1	1
		PARAÑAQUE CITY	MARCELO GREEN	0	1	1
			SAN ANTONIO	0	1	1
			SAN DIONISIO	1	0	1
		PASAY CITY	BARANGAY 26	0	1	1
			BARANGAY 55	0	1	1
		PASIG CITY	PINAGBUHATAN	0	1	1
			ROSARIO	0	1	1
		QUEZON CITY	COMMONWEALTH	2	0	2
			HOLY SPIRIT	1	0	1
			MARIANA	0	1	1
			NOVALICHES PROPER	1	0	1
			SALVACION	1	0	1
			SAN ISIDRO	0	1	1
		TAGUIG CITY	BAGONG TANYAG	0	1	1
			BARANGAY 31	0	1	1
			IBAYO-TIPAS	0	1	1
			LOWER BICUTAN	1	0	1
			USUSAN	0	1	1
		VALENZUELA CITY	BIGNAY	1	0	1
			MALANDAY	1	0	1
			MARULAS	1	0	1
PHILIPPINES				38	60	98

Case counts reported here do NOT represent the final number and are subject to change after inclusion of delayed reports and review of cases. <sup>(1)</sup>Cluster Definition: 2 or more pertussis cases from the same barangay, reported within 4 consecutive weeks.



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**ANNEX B. CLUSTER<sup>(1)</sup> OF DIPHTHERIA CASES**

MORBIDITY WEEK	REGION	PROVINCE	MUNCITY	BARANGAY	NO. OF CASES
4-5	NCR	METRO MANILA	MANILA	BARANGAY 387	2
4-6	09	ZAMBOANGA DEL SUR	ZAMBOANGA CITY	CAWIT	2