



TRENDS IN THE PHILIPPINES

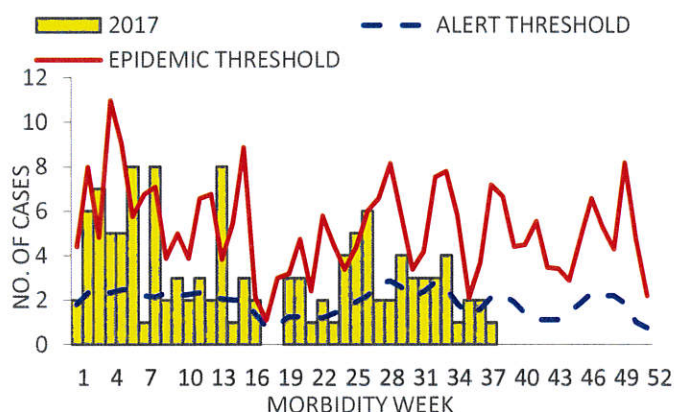
A total of **120** diphtheria cases were reported nationwide from January 1 – September 30, 2017. This is **21.21%** higher compared to the same period last year (99 cases). Figure 1 shows the distribution of the reported diphtheria cases in the country by morbidity week.

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.

Table 1 indicates the reported diphtheria cases by region in the Philippines. Forty five (37.50%) cases were confirmed out of 120 cases. Among the reported cases, 31 cases have died with a CFR of 25.83 %. Majority of the reported diphtheria cases came from NCR (45, 37.50%), Region IX (17, 14.17%) and Region IVA (16, 13.33%). (See Annex A for case distribution by Barangay)

Fig. 1 Alert and Epidemic Thresholds and Reported Diphtheria Cases by Morbidity Week, Philippines, as of September 30, 2017 (N=120)



Two diphtheria cluster⁽¹⁾ were identified as of September 30, 2017. No new cluster⁽¹⁾ of diphtheria cases identified within the past 4 Morbidity Weeks. (See Annex B for case distribution by Cluster⁽¹⁾)

Fig. 2 Reported Diphtheria Cases by Region and 2016 vs 2017, Philippines, as of September 30, 2017 (N=120)

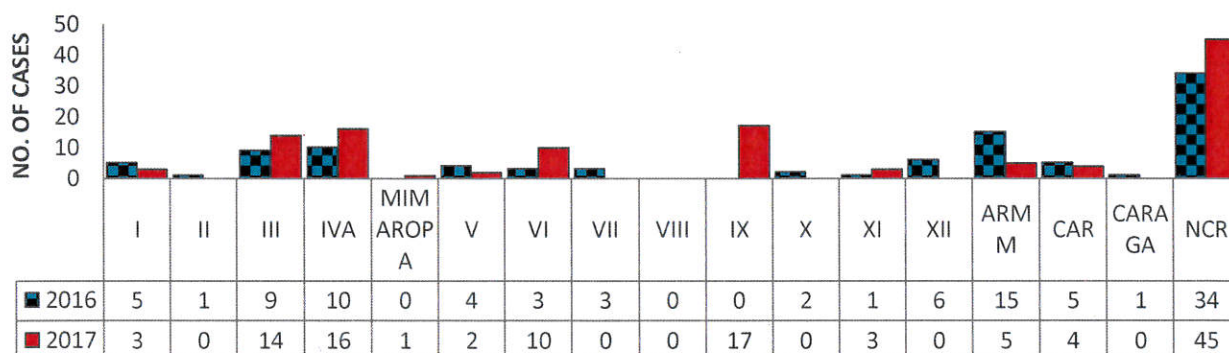


Table 1. Case Classification of Reported Diphtheria Cases by Region and Outcome, Philippines, as of September 30, 2017 (N=120)

REGION	Case Classification		Reported Cases	Died	CFR %
	Confirmed Cases	Probable Cases			
I	0	3	3	0	0.00
II	0	0	0	0	0.00
III	7	7	14	3	21.43
IVA	4	12	16	4	25.00
MIMAROPA	0	1	1	1	100.00
V	1	1	2	1	50.00
VI	0	10	10	3	30.00
VII	0	0	0	0	0.00
VIII	0	0	0	0	0.00
IX	6	11	17	7	41.18
X	0	0	0	0	0.00
XI	1	2	3	2	66.67
XII	0	0	0	0	0.00
ARMM	1	4	5	1	20.00
CAR	0	4	4	0	0.00
CARAGA	0	0	0	0	0.00
NCR	25	20	45	9	20.00
PHILIPPINES	45	75	120	31	25.83



PROFILE OF CASES

There are **69 males** and **51 females** and most (33.33%) of them belonged to the **1 to 4 year old** age group. Immunization status of 43 (35.83%) of reported cases received complete dose of DPT/pentavalent while 39 (32.50%) of reported cases were unknown.

As shown in Figure 3.1, 25 (36.23%) out of 69 reported male diphtheria cases belonged to the 1 to 4 year old age group and 23 (33.33%) of reported male diphtheria cases have complete dose of DPT/pentavalent. Whereas in Figure 3.2, majority of the reported female diphtheria cases, 18 (35.29%) of them belonged to the 5 to 9 year old age group and 20 (39.22%) of them received complete dose of DPT/pentavalent.

Fig. 3.1 Reported Male Diphtheria Cases by DPT Doses and Age Group, Philippines, as of September 30, 2017 (n=69)

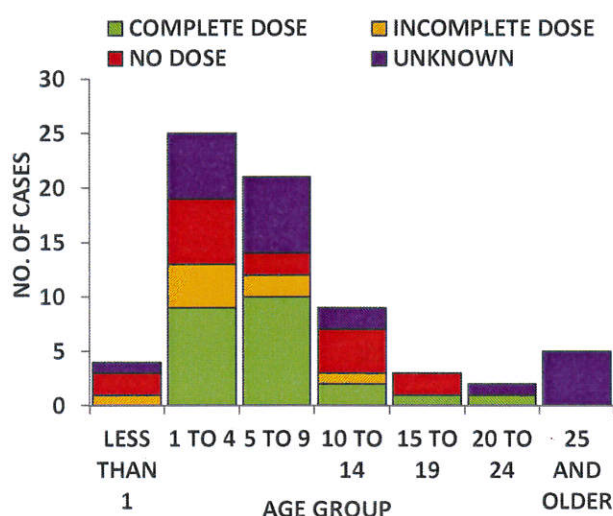
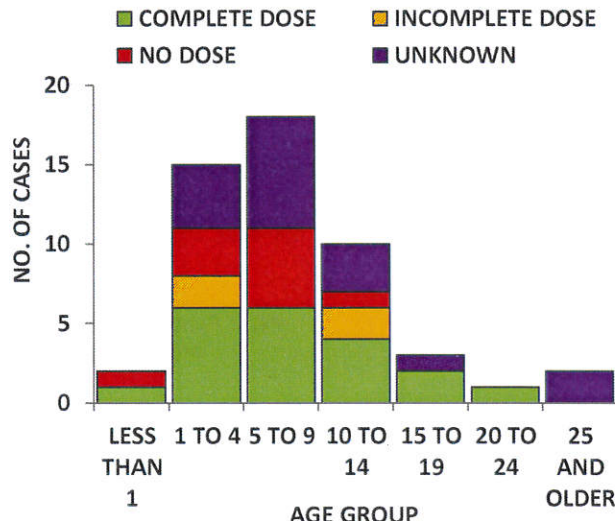


Fig. 3.2 Reported Female Diphtheria Cases by DPT Doses and Age Group, Philippines, as of September 30, 2017 (n=51)



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 - SEPTEMBER 30, 2017 (N=120)						
REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
I	PANGASINAN	ASINGAN	ARISTON ESTE	0	1	1
		URDANETA CITY	PALINA EAST	0	1	1
		VILLASIS	TOMBOD	0	1	1
III	BULACAN	BOCAUE	DUHAT	0	1	1
		MARILAO	LOMA DE GATO	1	0	1
		PULILAN	SANTA PEREGRINA	1	0	1
		SAN JOSE DEL MONTE CITY	GAYA-GAYA	0	1	1
			MINUYAN PROPER	1	0	1
		ALIAGA	SAN PABLO MATANDA	1	0	1
		CABANATUAN CITY	BANTUG NORTE	0	1	1
	NUEVA ECIIJA	GENERAL TINIO	NAZARETH	1	0	1
		SCIENCE CITY OF MUÑOZ	POBLACION	1	0	1
	TARLAC	GERONA	SAN BARTOLOME	1	0	1
			TANGCARAN	0	1	1
	ZAMBALES	BOTOLAN	MAMBOG	0	1	1
		IBA	LIPAY-DINGIN-PANIBUATAN	0	1	1
		SAN MARCELINO	CONSUELO NORTE	0	1	1
IVA	BATANGAS	LIPA CITY	INOSLOBAN	0	1	1
	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
		SILANG	SILANG PROPER	0	1	1
			TOLEDO	0	1	1
	LAGUNA	BIÑAN	TIMBAO	1	0	1
		LOS BAÑOS	SAN ANTONIO	0	1	1
		SAN PABLO CITY	SAN FRANCISCO	0	1	1
		SANTA ROSA	UNSPECIFIED	0	1	1
	QUEZON	LOPEZ	MAL-AY	0	1	1
		LUCENA CITY	DALAHICAN	0	1	1
	RIZAL	ANTIPOLO CITY	SAN ROQUE (POB.)	0	1	1
		BINANGONAN	DARANGAN	1	0	1
MIMAROPA	OCCIDENTAL MINDORO	LUBANG	MALIIG	0	1	1
V	CAMARINES SUR	MILAOR	MAYAOPAYAWAN	1	0	1
		PAMPLONA	CAGBUNGA	0	1	1



Epidemiology Bureau
Public Health Surveillance Division

January 1 – September 30, 2017

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

REPORTED DIPHTHERIA CASES, PHILIPPINES, JANUARY 1 - SEPTEMBER 30, 2017 (N=120)						
REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
VI	AKLAN	KALIBO	ANDAGAW	0	1	1
	ANTIQUE	SIBALOM	UNSPECIFIED	0	1	1
	ILOILO	ILOILO CITY	BAYBAY TANZA	0	1	1
			SANTA CRUZ	0	1	1
			UNSPECIFIED	0	1	1
		LEGANES	POBLACION	0	1	1
		SAN DIONISIO	SAN NICOLAS	0	1	1
		TIGBAUAN	ATABAYAN	0	1	1
	NEGROS OCCIDENTAL	BAGO CITY	MA-AO BARRIO	0	1	1
		TALISAY CITY	ZONE 10 (POB.)	0	1	1
IX	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	2	2
			TETUAN	0	1	1
			TIGTABON	0	1	1
			TUMAGA	0	1	1
XI	DAVAO DEL SUR	DAVAO CITY	BUNAWAN (POB.)	0	1	1
			LUBOGAN	0	1	1
			MA-A	1	0	1
ARMM	MAGUINDANAO	BULUAN	UNSPECIFIED	0	1	1
		DATU ODIN SINSUAT	SEMBA	0	1	1
		PARANG	UNSPECIFIED	0	1	1
		SHARIFF AGUAK	LABU-LABU	0	1	1
		SULTAN KUDARAT	CROSSING SIMUAY	1	0	1



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REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
CAR	BENGUET	BAGUIO CITY	HOLY GHOST EXTENSION	0	1	1
			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
			UNSPECIFIED	1	0	1
		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
			BARANGAY 905	1	0	1
			PACO	1	0	1
		MARIKINA CITY	MALANDAY	1	0	1
		MUNTINLUPA CITY	ALABANG	0	1	1
			BAYANAN	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



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REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
NCR	METRO MANILA	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				45	75	120

ANNEX B. CLUSTER⁽¹⁾ OF DIPHTHERIA CASES

MORBIDITY WEEK	REGION	PROVINCE	MUNCITY	BARANGAY	PROBABLE CASE	CONFIRMED CASE
4-5	NCR	METRO MANILA	MANILA	BARANGAY 387	0	2
4-6	IX	ZAMBOANGA DEL SUR	ZAMBOANGA CITY	CAWIT	0	2