



TRENDS IN THE PHILIPPINES

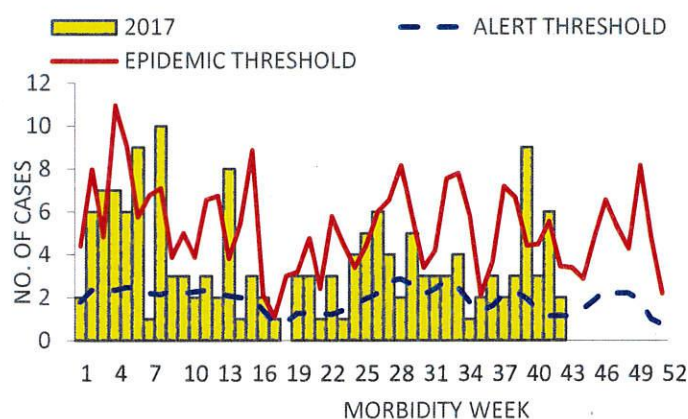
A total of **157** diphtheria cases were reported nationwide from January 1 – November 4, 2017. This is **42.73%** higher compared to the same period last year (110 cases). Figure 1 shows the distribution of the reported diphtheria cases in the country by morbidity week.

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. Fifty four (34.39%) cases were confirmed out of 157 cases. Among the reported cases, 36 cases have died with a CFR of 22.93 %. Majority of the reported diphtheria cases came from NCR (55, 35.03%), Region IVA (29, 18.47%) and Region IX (22, 14.01%). (See Annex A for case distribution by Barangay)

Fig. 1 Alert and Epidemic Thresholds and Reported Diphtheria Cases by Morbidity Week, Philippines, as of November 4, 2017 (N=157)



Five diphtheria cluster⁽¹⁾ were identified as of November 4, 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 November 4, 2017 (N=157)

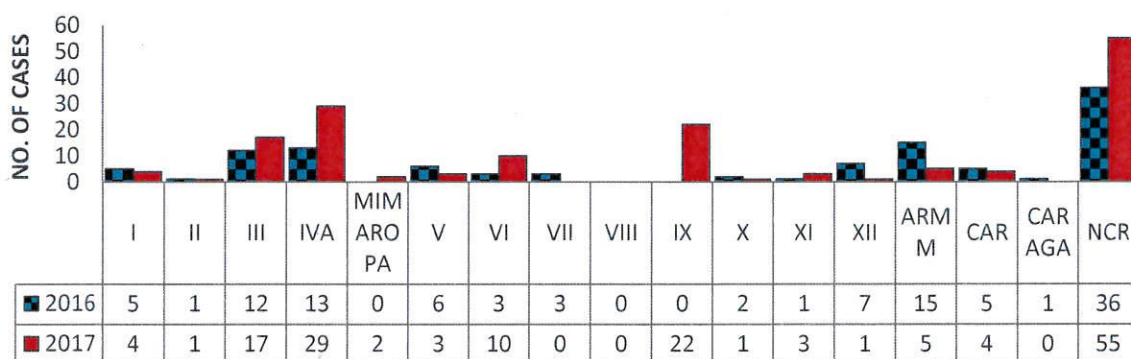


Table 1. Case Classification of Reported Diphtheria Cases by Region and Outcome, Philippines, as of November 4, 2017 (N=157)

REGION	Case Classification		Reported Cases	Died	CFR %
	Confirmed Cases	Probable Cases			
I	0	4	4	0	0.00
II	0	1	1	1	100.00
III	8	9	17	4	23.53
IVA	9	20	29	4	13.79
MIMAROPA	0	2	2	1	50.00
V	1	2	3	1	33.33
VI	0	10	10	3	30.00
VII	0	0	0	0	0.00
VIII	0	0	0	0	0.00
IX	6	16	22	9	40.91
X	0	1	1	0	0.00
XI	1	2	3	2	66.67
XII	0	1	1	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	28	27	55	10	18.18
PHILIPPINES	54	103	157	36	22.93



PROFILE OF CASES

There are **86 males and 71 females** and most (33.12%) of them belonged to the **1 to 4 year old** age group. Immunization status of 54 (34.39%) of reported cases received complete dose of DPT/pentavalent while 46 (29.30%) of reported cases were unknown.

As shown in Figure 3.1, 34 (39.53%) out of 86 reported male diphtheria cases belonged to the 1 to 4 year old age group and 28 (32.56%) of reported male diphtheria cases have complete dose of DPT/pentavalent. Whereas in Figure 3.2, majority of the reported female diphtheria cases, 23 (32.39%) of them belonged to the 5 to 9 year old age group and 26 (36.62%) of them received complete dose of DPT/pentavalent.

Fig. 3.1 Reported Male Diphtheria Cases by DPT Doses and Age Group, Philippines, as of November 4, 2017 (n=86)

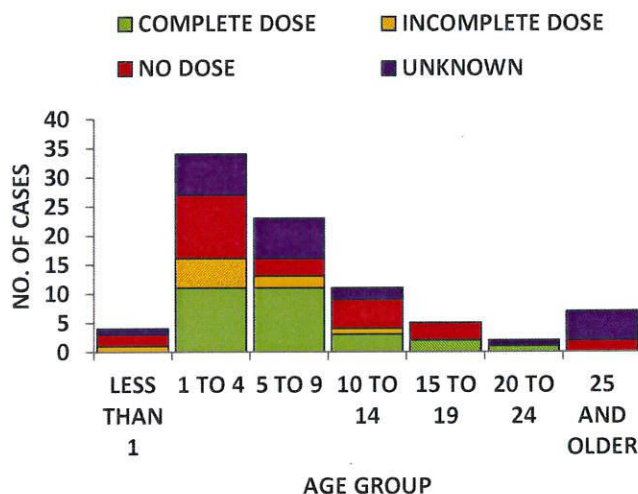
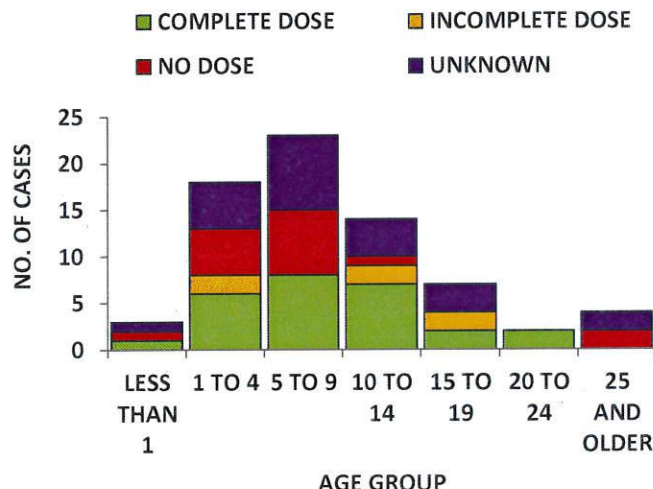


Fig. 3.2 Reported Female Diphtheria Cases by DPT Doses and Age Group, Philippines, as of November 4, 2017 (n=71)



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.

Editorial Board

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ANNEX A. REPORTED DIPHTHERIA CASES BY CASE CLASSIFICATION AND BARANGAY

REPORTED DIPHTHERIA CASES, PHILIPPINES, JANUARY 1 - NOVEMBER 4, 2017 (N=157)						
REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
I	PANGASINAN	ASINGAN	ARISTON ESTE	0	1	1
		BINMALEY	BASING	0	1	1
		URDANETA CITY	PALINA EAST	0	1	1
		VILLASIS	TOMBOD	0	1	1
II	CAGAYAN	AMULUNG	NAGSABARAN	0	1	1
III	BULACAN	BOCAUE	DUHAT	0	1	1
		MARILAO	LOMA DE GATO	1	0	1
			SAOG	1	0	1
		PULILAN	SANTA PEREGRINA	1	0	1
		SAN JOSE DEL MONTE CITY	GAYA-GAYA	0	1	1
			MINUYAN PROPER	1	0	1
	NUEVA ECIJA	ALIAGA	SAN PABLO MATANDA	1	0	1
		CABANATUAN CITY	BANTUG NORTE	0	1	1
		GENERAL TINIO	NAZARETH	1	0	1
		SCIENCE CITY OF MUÑOZ	POBLACION	1	0	1
			POBLACION SOUTH	0	1	1
	PAMPANGA	SAN FERNANDO CITY	SAN PEDRO	0	1	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
		SAN JUAN	CALITCALIT	0	1	1
		TANAUAN CITY	BOOT	0	1	1
	CAVITE	BACOR	MOLINO VI	0	1	1
			P.F. ESPIRITU V	1	0	1
		DASMARIÑAS	SANTO NIÑO II	0	1	1



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

REPORTED DIPHTHERIA CASES, PHILIPPINES, JANUARY 1 - NOVEMBER 4, 2017 (N=157)						
REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
IVA	CAVITE	GENERAL TRIAS	MANGGAHAN	1	0	1
			NAVARRO	2	0	2
			SAN FRANCISCO	0	1	1
		SILANG	SILANG PROPER	0	1	1
			TOLEDO	0	1	1
		TRECE MARTIRES CITY	CABUCO	1	0	1
	LAGUNA	BIÑAN	SORO-SORO	0	1	1
			TIMBAO	1	0	1
		LOS BAÑOS	SAN ANTONIO	0	1	1
		SAN PABLO CITY	SAN BUENAVENTURA	2	4	6
			SAN FRANCISCO	0	1	1
			SAN ROQUE	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
MIMAROP A	OCCIDENTAL MINDORO	LUBANG	MALIIG	0	1	1
		SAN JOSE	LABANGAN POBLACION	0	1	1
V	CAMARINES SUR	BATO	SAN JUAN	0	1	1
	0	MILAOR	MAYAOPAYAWAN	1	0	1
	0	PAMPLONA	CAGBUNGA	0	1	1
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



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REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
VI	ILOILO	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	DIMATALING	MAHAYAG	0	1	1
		ZAMBOANGA CITY	CAWIT	2	1	3
			LABUAN	1	0	1
			MAMPANG	1	2	3
			PASONANCA	1	0	1
			RECODO	0	1	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
			TUMALUTAB	0	1	1
X	BUKIDNON	MALAYBALAY CITY	CASISANG	0	1	1
XI	DAVAO DEL SUR	DAVAO CITY	BUNAWAN (POB.)	0	1	1
			LUBOGAN	0	1	1
			MA-A	1	0	1
XII	COTABATO CITY	COTABATO CITY	ROSARY HEIGHTS VI	0	1	1



Epidemiology Bureau
 Public Health Surveillance Division

January – November 4, 2017

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REGION	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
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
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
			TALA	0	1	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
			CATMON	1	0	1
			CONCEPCION	0	1	1
			LONGOS	1	1	2
		MANDALUYONG CITY	ADDITION HILLS	1	0	1
		MANILA	14	0	1	1
			BARANGAY 1	1	0	1
			BARANGAY 106	0	1	1
			BARANGAY 387	2	0	2



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REGIO N	PROVINCE	MUNCITY	BARANGAY	CONFIRMED CASES	PROBABLE CASES	NO. OF CASES
NCR	METRO MANILA	MANILA	BARANGAY 390	1	0	1
			BARANGAY 535	1	0	1
			BARANGAY 864	1	0	1
			BARANGAY 905	1	0	1
			PACO	1	0	1
			TONDO	0	1	1
		MARIKINA CITY	MALANDAY	1	0	1
		MUNTINLUPA CITY	ALABANG	0	1	1
			BAYANAN	0	1	1
			POBLACION	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
			SAUYO	1	0	1
		SAN JUAN	BALONG-BATO	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
			LINGUNAN	0	1	1
			MALANDAY	1	0	1
			MARULAS	1	0	1
PHILIPPINES				54	103	157

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	1	2
4-6	IX	ZAMBOANGA DEL SUR	ZAMBOANGA CITY	MAMPANG	1	1
39-40	IVA	LAGUNA	SAN PABLO CITY	SAN BUENAVENTURA	4	2
40-41	IVA	CAVITE	GENERAL TRIAS	NAVARRO	0	2