



January 1 – April 1, 2017

Epidemiology Bureau
 Public Health Surveillance Division

TRENDS IN THE PHILIPPINES

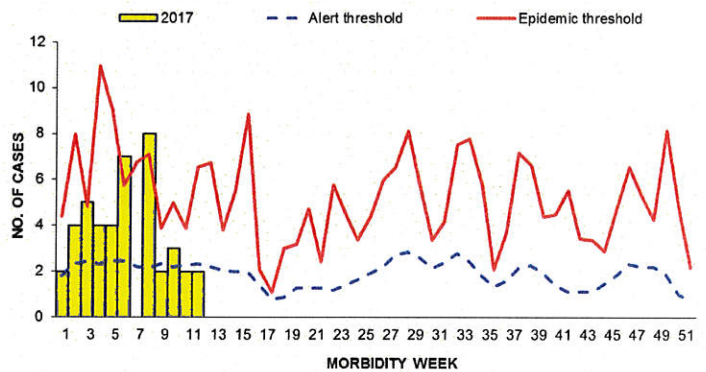
A total of **43** diphtheria cases were reported nationwide from January 1 – April 1, 2017. This is **59.2%** higher compared to the same period last year (27 cases). Figure 1 shows the distribution of the reported diphtheria cases in the country by morbidity week.

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 region 3, 4A, 9, 11, ARMM, CAR and NCR and a sustained presence of diphtheria cases in region 1 and 6.

Table 1 indicates the reported diphtheria cases by region in the Philippines. Majority of the reported diphtheria cases came from NCR and Region 4A.

Fig. 1 Alert and Epidemic Threshold and Reported Diphtheria Cases by Morbidity Week, Philippines, as of April 1, 2017 (N=43)



No new cluster ⁽¹⁾ of diphtheria cases identified within the past 4 Morbidity Weeks.

⁽¹⁾Cluster Definition: 2 or more diphtheria cases from the same barangay, reported within 4 consecutive weeks.

Fig. 2 Reported Diphtheria Cases by Region and 2016 vs 2017, Philippines, as of April 1, 2017 (N=43)

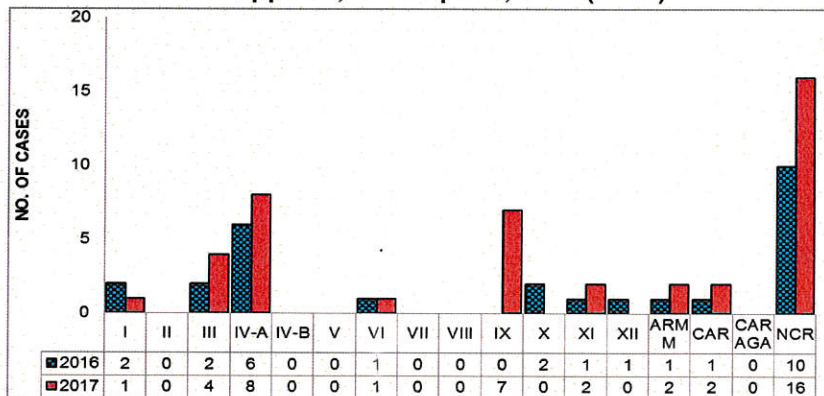


Table 1. Case Classification of Reported Diphtheria Cases by Region and Outcome, Philippines, as of April 1, 2017 (N=43)

| REGION | Case Classification | | Reported Cases | Died | CFR % |
|--------|---------------------|----------------|----------------|------|--------|
| | Confirmed Cases | Probable Cases | | | |
| I | 0 | 1 | 1 | 0 | 0.00 |
| II | 0 | 0 | 0 | 0 | 0.00 |
| III | 3 | 1 | 4 | 1 | 25.00 |
| IV-A | 2 | 6 | 8 | 2 | 25.00 |
| IV-B | 0 | 0 | 0 | 0 | 0.00 |
| V | 0 | 0 | 0 | 0 | 0.00 |
| VI | 0 | 1 | 1 | 1 | 100.00 |
| VII | 0 | 0 | 0 | 0 | 0.00 |
| VIII | 0 | 0 | 0 | 0 | 0.00 |
| IX | 3 | 4 | 7 | 3 | 42.86 |
| X | 0 | 0 | 0 | 0 | 0.00 |
| XI | 0 | 2 | 2 | 2 | 100.00 |
| XII | 0 | 0 | 0 | 0 | 0.00 |
| ARMM | 0 | 2 | 2 | 1 | 50.00 |
| CAR | 0 | 2 | 2 | 0 | 0.00 |
| CARAGA | 0 | 0 | 0 | 0 | 0.00 |
| NCR | 7 | 9 | 16 | 1 | 6.25 |
| PHL | 15 | 28 | 43 | 11 | 25.58 |



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PROFILE OF CASES

As shown in figure 3, we have **26 males and 17 females** and most of them belong to the 1 to 4 years old age group. That will be **40% of the total cases**. Twelve (28%) of reported cases were not administered with any dose of DPT/PENTA valent vaccine while 11 (25%) of reported cases received complete dose of DPT/PENTA valent vaccine (Figure 4). Eleven (26%) of the reported diphtheria cases have **died** (Figure 5).

Fig. 3 Reported Diphtheria Cases by Age Group and Sex, Philippines, as of April 1, 2017 (N=43)

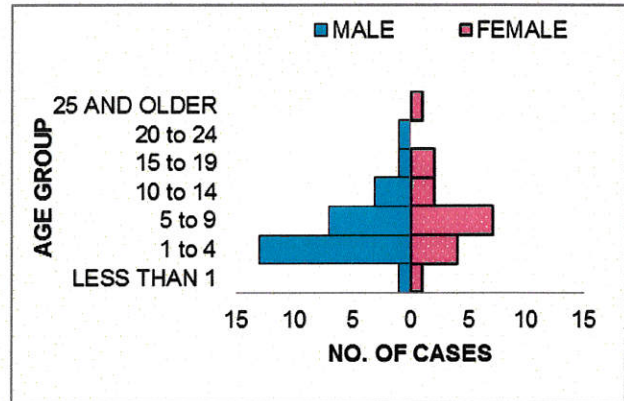


Fig. 4 Reported Diphtheria Cases by DPT Doses and Age Group, Philippines, as of April 1, 2017 (N=43)

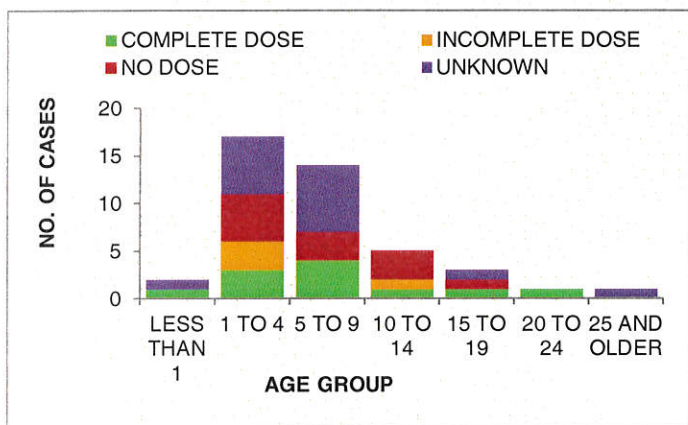
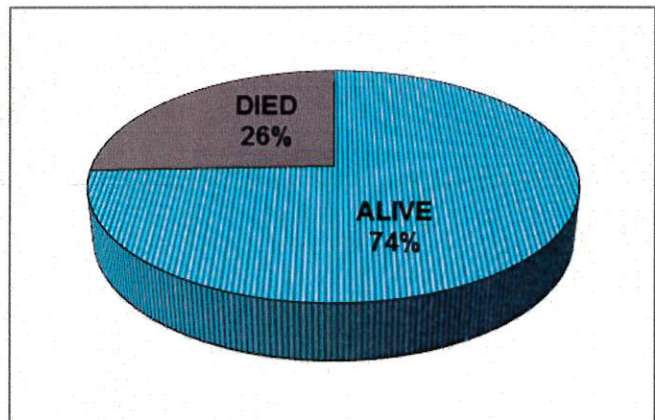


Fig. 5 Reported Diphtheria Cases by Outcome, Philippines, as of April 1, 2017 (N=43)



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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