Diphtheria Cases

Introduction

Diphtheria is an infectious disease spread (from person to person) by respiratory droplets through coughing and sneezing.

Diphtheria usually affects the tonsils, pharynx, larynx and occasionally other mucus membranes or skin.

The incubation period is usually 2 to 5 days (range 1-10 days).

Initial symptoms of illness include a sore throat, difficulty in swallowing, malaise, and low-grade fever. The hallmark of respiratory diphtheria is the presence of an exudate that organizes into a tough, grayish-white pseudomembrane over the tonsils, the pharynx, or larynx. ("VPD Surveillance Manual, 4th Edition, 2008” Tejpratap S.P. Tiwari, M.D., CDC)

Standard Case Definition:

• **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.

Trend in the Philippines

A total of 22 diphtheria cases were reported nationwide from January 1 to April 9, 2016. Of these cases, 14 are probable and 8 are laboratory-confirmed thru polymerase chain reaction (PCR) testing. The number of confirmed diphtheria cases is 166.67% higher compared to the same time period last year (3).

Geographic Distribution

The probable diphtheria cases were from: Region I (Pangasinan), Region III (Nueva Ecija), Region IV-A (Laguna & Rizal), Region VI (Iloilo), Region X (Misamis Occidental), Region XI (Davao City), Region XII (Cotabato City), ARMM (Maguindanao), CAR (Ifugao) and NCR (Quezon City). While the confirmed
Diphtheria Cases

Majority of the probable diphtheria cases were male (64.3%) and most of them were among the 5-14 years old (55.6%) age group. Whereas, majority of the confirmed diphtheria cases were female (62.5%), most of them were among the 5-14 years old (66.7%) age group. Most of the diphtheria deaths were from NCR (Mandaluyong City, Malabon City and Manila) (CFR = 50.00).
Diphtheria Cases

**Fig. 3** Reported Diphtheria Cases by Age Group and Sex
Philippines, as of April 9, 2016 (N=22)

- 65 & UP
- 40-64
- 25-39
- 15-24
- 5-14
- 1-4
- <1

**Age Years**

**No. of Cases**

**Fig. 4** Reported Diphtheria Case Fatality Rate (CFR) by Age Group
Philippines, as of April 9, 2016 (N=22)

- 2016 Diphtheria Cases
- CFR %

**Age Group**

**Case Fatality Rate 2016 (%)**

0.00 - 100.00
### Diphtheria Cases

**Republic of the Philippines**  
**Department of Health**  
**Kagawaran ng Kalusugan**

**Epidemiology Bureau**  
**Public Health Surveillance Division**

**Morbidity Week 14 : January 1 – April 9, 2016**

#### Table 1 Reported Diphtheria Cases and Deaths by Region  
**Philippines, January 1 – April 9, 2016**

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