



Active Bacterial Core Surveillance (ABCs) Report

Emerging Infections Program Network

Haemophilus influenzae, 1997



ABCs Areas

California (3 county San Francisco Bay area); Connecticut; Georgia (20 Atlanta Counties); Maryland; Minnesota; Oregon; Tennessee (5 urban counties)

ABCs Population

The surveillance areas represent 25,094,333 persons.
Source: U.S. Bureau of the Census, 1997

ABCs Case Definition

Invasive *Haemophilus influenzae* (Hi) disease: isolation of *Haemophilus influenzae* from normally sterile site in a resident of a surveillance area in 1997.

ABCs Methodology

Project personnel communicated at least monthly with contacts in all microbiology laboratories serving acute care hospitals in their area to identify cases. Standardized case report forms that include information on demographic characteristics, clinical syndrome, and outcome of illness were completed for each identified case. Serotyping was done on Hi isolates at CDC and state laboratories. Regular laboratory audits assess completeness of active surveillance and detect additional cases.

All rates of invasive Hi disease were calculated using U.S. Bureau of the Census postcensal population estimates for 1997. For national projections, race- and age-specific rates of disease were applied from the aggregate surveillance areas to the race- and age-specific distribution of the 1997 U. S. population. Cases with unknown race were distributed by area based on reported race distribution for known cases within the five age categories.

Reported ABCs Profiles

| Race | No. (Rate*) |
|-------|-------------|
| White | 236 (1.2) |
| Black | 69 (1.8) |
| Other | 9 (0.6) |
| Total | 314 (1.2) |

Unknown race (n=37) distributed among knowns

*Cases per 100,000 population for ABCs areas.

| Syndrome | Cases | | Deaths | |
|----------------------|-------|--------|--------|----------------------|
| | No. | (%*) | No. | (Rate [†]) |
| Meningitis | 22 | (7.0) | 1 | (4.5) |
| Bacteremia w/o focus | 118 | (37.6) | 14 | (11.9) |

*Percent of cases.

[†]Deaths per 100 cases.

| Age (years) | Serotype | | | |
|-------------|---------------|------------------|----------------------------------|--------------------|
| | B No. (Rate*) | Non-B No. (Rate) | Non-Type [†] No. (Rate) | Unknown No. (Rate) |
| <1 | 6 (1.7) | 0 (0.0) | 11 (3.2) | 2 (0.6) |
| 1 | 3 (0.9) | 3 (0.9) | 1 (0.3) | 1 (0.3) |
| 2-4 | 1 (0.1) | 2 (0.2) | 3 (0.3) | 4 (0.4) |
| 5-17 | 3 (0.1) | 1 (0.02) | 5 (0.1) | 1 (0.02) |
| 18-34 | 2 (0.03) | 6 (0.1) | 14 (0.2) | 7 (0.1) |
| 35-49 | 5 (0.1) | 6 (0.1) | 29 (0.5) | 8 (0.1) |
| 50-64 | 5 (0.1) | 14 (0.4) | 21 (0.6) | 9 (0.3) |
| ≥65 | 13 (0.4) | 32 (1.1) | 66 (2.2) | 30 (1.0) |
| Total | 37 (0.1) | 64 (0.3) | 150 (0.6) | 62 (0.2) |

* Cases per 100,000 population for ABCs areas

[†] Non-typeable isolates

National Projection for Invasive Disease:

Cases: 3,400 (1.3/100,000)

Deaths: 400 (0.2/100,000)

Healthy People 2010 Update:

Invasive *Haemophilus influenzae* type B disease

Objective: Decrease the incidence of invasive *Haemophilus influenzae* type B disease to zero cases per 100,000 persons less than 5 years of age.

| Race | 2010 Objective | 1997 Rate* |
|-------|----------------|-------------|
| White | 0/100,000 | 0.7/100,000 |
| Black | 0/100,000 | 0.3/100,000 |
| Other | 0/100,000 | 0.0/100,000 |
| Total | 0/100,000 | 0.6/100,000 |

*Projected cases per 100,000 U.S. population <5 years.

For more information, visit our web sites at:

<http://www.cdc.gov/ncidod/dbmd/abc>

<http://www.cdc.gov/nip>