Active Bacterial Core Surveillance (ABCs) Report
Emerging Infections Program Network
Haemophilus influenzae, 1999

ABCs Areas

California (3 county San Francisco Bay area); Connecticut; Georgia (20 county Atlanta area); Maryland; Minnesota; New York (15 county Rochester/Albany area); Oregon; Tennessee (5 urban counties)

ABCs Population

The surveillance areas represent 27,779,979 persons.
Source: U.S. Bureau of the Census, 1999

ABCs Case Definition

Invasive *Haemophilus influenzae* (Hi) disease: isolation of *Haemophilus influenzae* from normally sterile site in a resident of a surveillance area in 1999.

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 1999. 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 1999 U. S. population. Cases with unknown race were distributed by area based on reported race distribution for known cases within the eight age categories.

Reported ABCs Profiles

Race	No. (Rate*)	
White	274	(1.2)
Black	65	(1.5)
Other	22	(1.4)
Total	361	(1.3)

Unknown race (n=45) distributed among knowns

*Cases per 100,000 population for ABCs areas.

Syndrome	Cases No. (%*)		Deaths No. (Rate†)	
Meningitis	26	(7.2)	1	(3.8)
Bacteremia w/o focus	156	(43.2)	18	(11.5)

*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	(1.6)	2	(0.5)	13	(3.4)	2	(0.5)
1	0	(0.0)	0	(0.0)	5	(1.3)	1	(0.3)
2-4	4	(0.4)	3	(0.3)	4	(0.4)	1	(0.1)
5-17	1	(0.02)	4	(0.1)	6	(0.1)	0	(0.0)
18-34	4	(0.1)	8	(0.1)	19	(0.3)	4	(0.1)
35-49	5	(0.1)	5	(0.1)	26	(0.4)	10	(0.1)
50-64	5	(0.1)	9	(0.2)	36	(0.9)	12	(0.3)
≥65	12	(0.4)	27	(0.8)	92	(2.8)	35	(1.1)
Total	37	(0.1)	58	(0.2)	201	(0.7)	65	(0.2)

* Cases per 100,000 population for ABCs areas
† Non-typeable isolates

National Projection for Invasive Disease:

Cases: 3,592 (1.3/100,000)
Deaths: 583 (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	1999 Rate*
White	0/100,000	0.6/100,000
Black	0/100,000	0.00/100,000
Other	0/100,000	0.8/100,000
Total	0/100,000	0.6/100,000

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

For more information, visit our web site at:

http://www.cdc.gov/abcs