



Active Bacterial Core Surveillance (ABCs) Report

Emerging Infections Program Network

Neisseria meningitidis, 2002



ABCs Areas

California (3 county San Francisco Bay area); Colorado (5 county Denver area); Connecticut; Georgia; Maryland; Minnesota; New York (15 county Rochester/Albany area); Oregon; Tennessee (11 county area).

ABCs Population

The surveillance areas represent 36,435,355 persons.
Source: National Center for Health Statistics bridged-race vintage 2002 postcensal file

ABCs Case Definition

Invasive meningococcal disease: isolation of *Neisseria meningitidis* from normally sterile site in a resident of a surveillance area in 2002.

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. Molecular subtyping was done on meningococcal isolates at CDC. Regular laboratory audits assess completeness of active surveillance and detect additional cases.

All rates of invasive meningococcal disease were calculated using population estimates for 2002.

For national projections of cases, race- and age-specific rates of disease were applied from the aggregate surveillance area to the age and racial distribution of the 2002 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	161 (0.6)
Black	33 (0.5)
Other	6 (0.3)
Total	200 (0.5)

Unknown race (n=38) distributed among knowns

*Cases per 100,000 population for ABCs areas.

Syndrome	Cases No. (%*)	Deaths No. (Rate†)
Meningitis	99 (49.5)	6 (6.1)
Bacteremia w/o	80 (40.0)	9 (11.4)

*Percent of cases. †Deaths per 100 cases with known outcome

Age (years)	Serogroups			
	B No. (Rate*)	C No. (Rate)	Y No. (Rate)	Other No. (Rate)
<1	16 (3.1)	4 (0.8)	6 (1.2)	7 (1.4)
1	7 (1.4)	0 (0.0)	1 (0.2)	0 (0.0)
2-4	9 (0.6)	5 (0.3)	1 (0.1)	4 (0.3)
5-17	18 (0.3)	13 (0.2)	10 (0.1)	4 (0.1)
18-34	6 (0.1)	15 (0.2)	3 (0.03)	7 (0.1)
35-49	6 (0.1)	7 (0.1)	9 (0.1)	0 (0.0)
50-64	8 (0.1)	3 (0.1)	5 (0.1)	2 (0.03)
≥65	2 (0.05)	5 (0.1)	15 (0.4)	2 (0.05)
Total	72 (0.2)**	52 (0.1)	50 (0.1)	26 (0.1)

*Cases per 100,000 population for ABCs areas

**The rate of serogroup B disease excluding Oregon is 0.2 cases per 100,000 population for ABC's areas.

Rates of Meningococcal Disease in Adolescents and Young Adults

Age (years)	Overall Serogroups		C/Y/W-135 Serogroups	
	No. (Rate*)		No. (Rate)	
14-17	23 (1.1)		12 (0.6)	
18-22	14 (0.6)		9 (0.4)	

*Cases per 100,000 population for ABCs areas

National Projection for Invasive Disease:

Cases: 1,450 (0.5/100,000)

Deaths: 150 (0.1/100,000)

Healthy People 2010 Update:

Objective: Reduce the incidence of invasive meningococcal disease to 0.9 per 100,000 population.

2010 Objective	2002 Rate*
0.9/100,000	0.5/100,000

*Cases per 100,000 U.S. population.

Source: ABCs/National Electronic Telecommunications System for Surveillance (NETSS)

For more information, visit our web site

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

Centers for Disease Control and Prevention. 2003. Active Bacterial Core Surveillance Report, Emerging Infections Program Network, *Neisseria meningitidis*, 2002. Available via the Internet: <http://www.cdc.gov/abcs/reports-findings/survreports/mening02.pdf>