



Active Bacterial Core Surveillance (ABCs) Report

Emerging Infections Program Network

group B streptococcus, 1999



ABCs Areas

California (3 county San Francisco Bay area); Connecticut; Georgia (20 county Atlanta area); Maryland; Minnesota; New York (7 county Rochester area and 8 county Albany area); Oregon (3 county Portland area); Tennessee (5 urban counties)

ABCs Population

The surveillance areas represent 25,844,605 persons and 353,310 persons <1 yr. Source: U.S. Bureau of the Census, 1999

ABCs Case Definition

Invasive group B streptococcal disease: isolation of group B streptococcus from a normally sterile site in a resident of a surveillance area in 1999. Early-onset cases occur at <7 days of age and late-onset occur between 7 and 90 days of age.

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. Regular laboratory audits assess completeness of active surveillance and detect additional cases.

Rates of invasive group B streptococcal disease were calculated using U.S. Bureau of the Census postcensal population estimates for 1999. Rates of early-onset and late-onset group B streptococcal disease were calculated using postcensal population estimates for persons <1 yr for 1999. 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 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 | 1070 (5.3) |
| Black | 490 (11.7) |
| Other | 35 (2.3) |

Unknown race (n=183) distributed among knowns.

*Cases per 100,000 population for ABCs areas.

| Ethnicity | No. (Rate*) |
|--------------|-------------|
| Hispanic | 87 (6.2) |
| Non-Hispanic | 646 ----- |
| Unknown | 863 ----- |

*Cases per 100,000 population for ABCs areas.

| Age (years) | Cases | | Deaths | |
|-------------|-------|---------|--------|---------|
| | No. | (Rate*) | No. | (Rate*) |
| <1 | 287 | (81.2) | 16 | (4.53) |
| 1 | 1 | (0.3) | 0 | (0.00) |
| 2-4 | 2 | (0.2) | 0 | (0.00) |
| 5-17 | 13 | (0.3) | 1 | (0.02) |
| 18-34 | 98 | (1.6) | 4 | (0.07) |
| 35-49 | 222 | (3.4) | 27 | (0.42) |
| 50-64 | 305 | (8.3) | 25 | (0.68) |
| ≥65 | 667 | (22.2) | 98 | (3.26) |
| Total | 1595 | (6.2) | 171 | (0.66) |

* Cases or deaths per 100,000 population for ABCs areas

| Race | Early-Onset No. (Rate*) | Late-Onset No. (Rate*) |
|-------|-------------------------|------------------------|
| White | 87 (0.3) | 60 (0.2) |
| Black | 67 (1.0) | 49 (0.7) |
| Other | 0 (0.0) | 5 (0.2) |
| Total | 154 (0.4) | 114 (0.3) |

* Cases per 1,000 live births for ABCs areas

National Projection of Invasive Disease:

Early-Onset Cases: 1,600 (0.4/1,000 live births)
 Late-Onset Cases: 1,100 (0.3/1,000 live births)
 Total Cases: 16,800 (6.2/100,000 population)
 Deaths: 1,800 (0.7/100,000 population)

Healthy People 2010 Update:

Early-Onset Disease

Objective: Decrease the incidence of invasive early-onset group B streptococcal disease to 0.5 cases per 1,000 live births.

| Race | 2010 Objective | 1999 Rate* |
|-------|----------------|------------|
| White | 0.5/1,000 | (0.3) |
| Black | 0.5/1,000 | (1.0) |
| Other | 0.5/1,000 | (0.0) |
| Total | 0.5/1,000 | (0.4) |

*Projected cases per 1,000 persons <1 yr

For more information, visit our web sites at:

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