Active Bacterial Core Surveillance (ABCs) Report
Emerging Infections Program Network
group B streptococcus, 2008

ABCs Areas
California (3 county San Francisco Bay area); Colorado (children < 1 year in 5 county Denver area); Connecticut (children < 1 year); Georgia (20 county Metro area); Maryland; Minnesota; New Mexico; New York (15 county Rochester and Albany areas); Oregon (3 county Portland area); Tennessee (11 urban counties)

ABCs Population
The surveillance areas represent 28,338,691 persons and 473,736 live births. Source: National Center for Health Statistics bridged-race vintage 2008 postcensal file and 2007 state vital records

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 2008. Early-onset cases occur at < 7 days of age and late-onset occur between 7 and 89 days of age.

ABCs Methodology
ABCs personnel routinely contacted 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 assessed completeness of active surveillance and detected additional cases.

Rates of early-onset and late-onset group B streptococcal disease were calculated using estimates of **live births for 2007**. All other rates were calculated using population estimates for 2008. For national estimates of cases, race- and age-specific rates of disease were applied from the aggregate surveillance area to the age and racial distribution of the 2008 U.S. population and to the **2007 live births** for early-onset and late-onset disease. 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	1,476	(7.1)
Black	563	(10.8)
Other	95	(4.1)

Unknown race (n=310) distributed amongst known

* Cases per 100,000 population for ABCs areas

Ethnicity	No.	(Rate*)
Hispanic	142	(4.6)
Non-Hispanic	986	------
Unknown	1,006	------

* Cases per 100,000 population for ABCs areas

Age (years)	Cases No.	Cases (Rate*)	Deaths No.	Deaths (Rate*)
< 1	303	(63.4)	17	(3.56)
1	1	(0.3)	0	(0.00)
2-4	2	(0.2)	0	(0.00)
5-17	11	(0.2)	1	(0.02)
18-34	142	(2.2)	0	(0.00)
35-49	286	(4.4)	14	(0.22)
50-64	554	(10.5)	31	(0.59)
≥ 65	835	(25.8)	85	(2.62)
Total	2,134	(7.5)	148	(0.52)

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

Race	Early-Onset No.	Early-Onset (Rate*)	Late-Onset No.	Late-Onset (Rate*)
White	88	(0.26)	63	(0.18)
Black	46	(0.48)	61	(0.64)
Other	4	(0.11)	9	(0.25)
Total	138	(0.29)	133	(0.28)

Unknown race (n=21 Early-Onset, n=24 Late-Onset) distributed among knowns

* Cases per 1,000 live birth for ABCs areas

National Estimates of Invasive Disease
Early-Onset Cases: 1,200 (0.28/1,000 live births)
Late-Onset Cases: 1,125 (0.26/1,000 live births)
Total Cases: 22,500 (7.4/100,000 population)
Deaths: 1,600 (0.53/100,000 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	2008 Rate*
White	0.5/1,000	0.26/1,000
Black	0.5/1,000	0.48/1,000
Other	0.5/1,000	0.11/1,000
Total	0.5/1,000	0.28/1,000

* Cases per 1,000 U.S. live births

For more information, visit our web site:
http://www.cdc.gov/abcs

Citation