



# Active Bacterial Core Surveillance (ABCs) Report

## Emerging Infections Program Network

### Group B *Streptococcus*, 2010 (ORIG)



#### 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); Maryland; Minnesota; New Mexico; New York (15 county Rochester and Albany areas); Oregon (3 county Portland area); Tennessee (20 counties)

#### ABCs Population

The surveillance areas represent 29,278,034 persons and 452,383 live births. Source: National Center for Health Statistics bridged-race vintage 2010 postcensal file and 2009 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 2010. 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 **live birth estimates for 2009**. All other rates were calculated using population estimates for 2010. 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 2010 U.S. population and to the **2009 live birth estimates** 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 <sup>*</sup> )
White	1,632	(7.7)
Black	615	(11.2)
Other	128	(5.0)

Unknown race (n=287) distributed amongst known

\* Cases per 100,000 population for ABCs areas

Ethnicity	No.	(Rate <sup>*</sup> )
Hispanic	159	(4.6)
Non-Hispanic	1,212	-----
Unknown	1,004	-----

\* Cases per 100,000 population for ABCs areas

Age (years)	Cases		Deaths	
	No.	(Rate <sup>*</sup> )	No.	(Rate <sup>*</sup> )
< 1	277	(62.3)	14	(3.15)
1	1	(0.27)	0	(0.00)
2-4	4	(0.34)	0	(0.00)
5-17	12	(0.24)	1	(0.02)
18-34	165	(2.41)	2	(0.03)
35-49	314	(4.97)	7	(0.11)
50-64	733	(13.1)	52	(0.93)
≥ 65	869	(25.0)	79	(2.28)
Total	2,375	(8.1)	155	(0.53)

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

Race	Early-Onset		Late-Onset	
	No.	(Rate <sup>*</sup> )	No.	(Rate <sup>*</sup> )
White	71	(0.22)	47	(0.15)
Black	42	(0.43)	75	(0.78)
Other	6	(0.17)	7	(0.19)
	119	(0.26)	129	(0.29)

Unknown race (n=12 Early-Onset, n=29 Late-Onset) distributed among knowns

\* Cases per 1,000 live birth for ABCs areas

#### National Estimates of Invasive Disease

Early-Onset Cases: 1,040 (0.25/1,000 live births)

Late-Onset Cases: 1,030 (0.25/1,000 live births)

Total Cases: 24,700 (8.0/100,000 population)

Deaths: 1,650 (0.53/100,000 population)

#### Healthy People 2020 Update

##### Early-Onset Disease

Objective: Decrease the incidence of invasive early-onset group B streptococcal disease to 0.25 cases per 1,000 live births.

Race	2020 Objective	2009 Rate <sup>*</sup>
White	0.25/1,000	0.22/1,000
Black	0.25/1,000	0.43/1,000
Other	0.25/1,000	0.17/1,000
Total	0.25/1,000	0.25/1,000

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

#### For more information, visit our web site:

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

#### Citation

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Available via the internet: <http://www.cdc.gov/abcs/reports-findings/surreports/gbs10-orig.pdf>