Accessible Version: https://www.cdc.gov/abcs/bact-facts/data-dashboard.html
Data Download: https://data.cdc.gov/browse?q=abcs%20bactfacts&sortBy=relevance

Topic

- Cases and Deaths
- Case Rates
- Death Rates
- Syndromes
- Serotypes
- Antibiotic Resistance
- Surveillance Report

Year

2023

Dataset version: Mar 2025
Final run: Mar 20, 2025

Note: Click here to access and download Surveillance Reports.

Data Download

Active Bacterial Core Surveillance (ABCs) Report
Emerging Infections Program Network
Group B *Streptococcus*, 2023

ABCs Areas: California (3 county San Francisco Bay area); Colorado (5 county Denver area); Connecticut; Georgia (20 county + State <1 year); 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 38,566,486 persons and 462,198 live births. Source: Census Bureau's Vintage 2023 population estimates and natality data from National Center for Health Statistics (NCHS)[1].

ABCs Case Definition: Invasive bacterial disease is defined as isolation of group B *Streptococcus* from a normally sterile site or detection of ABCs pathogen-specific nucleic acid in a specimen obtained from a normally sterile body site, using a validated molecular test in a resident of one of the surveillance areas. Early-onset cases occur at <7 days old and late-onset between 7 and 89 days old.

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. From select surveillance areas, whole genome sequencing (WGS) was conducted for all group B *Streptococcus* isolates, which includes deduction of capsular serotype and minimum inhibitory concentration (MIC) predictions, including PBP2x typing to detect decreased beta lactam susceptibility. A strategic subset of isolates was targeted for conventional MIC determination. 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 2023. All other rates were calculated using population estimates from the Vintage 2023 file. 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 U.S. population and to live birth estimates for early-onset and late-onset disease. Cases with missing data, excluding ethnicity, were multiply imputed using sequential regression imputation methods.¶

ABCs Profiles

Race	No.	Rate*
Black	672	9.6
White	2,407	9.0
Other	272	5.5

Ethnicity	No.	Rate*
Hispanic	389	6.5
Non-Hispanic	2,647	-
Unknown	315	-

*Rates are per 100,000 population for ABCs areas

Race	Early Onset Cases No.	Early Onset Cases Rate**	Late Onset Cases No.	Late Onset Cases Rate**
Black	27	0.27	39	0.40
White	50	0.16	62	0.20
Other	8	0.14	11	0.19
Total	85	0.18	112	0.24

**Rates are per 1,000 live births for ABCs areas

Age (years)	Cases No.	Cases Rate*	Deaths No.	Deaths Rate*
<1	214	45.8	18	3.85
1	1	0.2	0	0.00
2-4	1	0.1	0	0.00
5-17	11	0.2	1	0.02
18-34	136	1.6	10	0.11
35-49	479	6.2	27	0.35
50-64	961	13.1	42	0.57
65-74	738	19.3	51	1.34
75-84	530	27.0	55	2.80
≥85	280	41.5	31	4.60
Total	3,351	8.7	235	0.61

*Rates are per 100,000 population for ABCs areas

National Estimates of Invasive Disease

Early-Onset Cases: 660 (0.18/1,000 live births)
Late-Onset Cases: 870 (0.24/1,000 live births)
Total Cases: 29,100 (8.7/100,000 population)
Deaths: 2,040 (0.61/100,000 population)

Reference (1)

National Center for Health Statistics. Vital Statistics Birth Data File. All-county file data file and documentation. 2023.

¶ Surveillance Note

Missing race (n=340, including 12 cases <1 year old) data were multiply imputed using sequential regression imputation methods.

Citation

Centers for Disease Control and Prevention. 2023. Active Bacterial Core Surveillance Report, Emerging Infections Program Network, Group B Streptococcus, 2023. www.cdc.gov/abcs/downloads/GBS_Surveillance_Report_2023.pdf