

Topic

- Cases and Deaths
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Year

2024

Dataset version: Feb 2026
Final run: Mar 23, 2026

Note: Click [here](#) to access and download Surveillance Reports.

Group A *Streptococcus* (GAS) Group B *Streptococcus* (GBS) *Haemophilus influenzae* (HFlu) *Neisseria meningitidis* (NMen) *Streptococcus pneumoniae* (SPN) Bact Facts

**Active Bacterial Core Surveillance (ABCs) Report
Emerging Infections Program Network
Group A *Streptococcus*, 2024**

ABCs Areas: California (3 county San Francisco Bay area); Colorado (5 county Denver area); Connecticut; Georgia (20 county Atlanta area); Maryland (6 county Baltimore area); Minnesota; New Mexico; New York (15 county Rochester and Albany areas); Oregon (3 county Portland area); Tennessee (20 urban counties).

ABCs Population: The surveillance areas represent 35,583,503 persons. Source: Census Bureau's Vintage 2024 population estimates.

ABCs Case Definition: Invasive bacterial disease is defined as isolation of group A *Streptococcus* from a normally sterile site or from a wound culture accompanied by necrotizing fasciitis or streptococcal toxic shock syndrome or detection of ABCs pathogen-specific nucleic acid in a specimen obtained from a normally sterile site, using a validated molecular test in a resident of one of the surveillance areas.

ABCs Methodology: ABCs personnel routinely contacted all microbiology laboratories serving acute care hospitals to identify cases. Standardized case report forms including demographic and clinical characteristics were completed for each case. All group A *Streptococcus* (GAS) isolates were subject to whole genome sequencing (WGS) to derive *emm* types and to predict minimum inhibitory concentration (MIC). Regular laboratory audits assessed active surveillance completeness. Rates were calculated using population estimates from the Vintage 2024 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. Cases with missing data, excluding ethnicity, were multiply imputed using sequential regression imputation methods.†

ABCs Profiles

Race	No.	Rate*	Ethnicity	No.	Rate*
Black	701	11.7	Hispanic	630	11.1
White	3,238	13.0	Non-Hispanic	3,384	-
Other	392	8.2	Unknown	317	-

Age (years)	Cases		Deaths	
	No.	Rate*	No.	Rate*
<1	31	8.3	3	0.81
1	23	6.0	0	0.00
2-4	54	4.7	1	0.09
5-17	189	3.4	5	0.09
18-34	486	6.0	25	0.31
35-49	904	12.5	50	0.69
50-64	1,078	16.5	91	1.39
65-74	753	21.1	94	2.64
75-84	517	27.1	82	4.30
≥85	296	46.6	65	10.22
Total	4,331	12.2	416	1.17

*Rates are per 100,000 population for ABCs areas

National Estimates of Invasive Disease

Total Cases: 41,400 (12.2/100,000 population)
Deaths: 3,980 (1.17/100,000 population)

† Surveillance Note

Missing race (n=476) data were multiply imputed using sequential regression imputation methods.

Emm Types

Area	Most Common emm Types**	% Area Isolates
Total	1,44,3,49,92,77	50.7
CA	1,12,77,53,44	66.9
CO	44,11,1,53,82	54.6
CT	1,49,89,83,3,92	72.1
GA	3,1,89,4	60.1
MD	49,1,92,3	65.4
MN	44,49,3,1,28,89,12	68.8
NM	1,77,53,101,44,91,59	70.5
NY	1,75,11,3,59	56.5
OR	44,1,76,92	60.3
TN	82,151,1,3,89,11,4,92	75.3

**Requires ≥3 isolates and ≥5% of isolates typed by area. Based on reference lab testing of 3739 isolates.

Syndromes

Syndrome	No.	%
Cellulitis	1,992	46.0
Pneumonia	661	15.3
Bacteremia without focus	628	14.5
Necrotizing fasciitis	269	6.2
Streptococcal toxic shock syndrome	143	3.3

Note: Some cases had more than 1 syndrome.

Citation

Centers for Disease Control and Prevention. 2024. Active Bacterial Core Surveillance Report, Emerging Infections Program Network, Group A *Streptococcus*, 2024. www.cdc.gov/abcs/downloads/GAS_Surveillance_Report_2024.pdf