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

2020

Dataset version: Jul 2022 *Final run: Sep 20, 2022*

 \checkmark

Note: Click here to access and download Surveillance Reports.

<u>CDC</u>

Data Download

Group A Streptococcus (GAS)

Group B Streptococcus (GBS)

Active Bacterial Core Surveillance (ABCs) Repo Emerging Infections Program Network *Streptococcus pneumoniae*, 2020

ABCs Areas: California (3 county San Francisco Bay area); Colorado Denver area); Connecticut; Georgia (20 county Atlanta area); Marylai Baltimore area); Minnesota; New Mexico; New York (15 county Roche Albany areas and children <5 years in Erie county); Oregon (3 county area); Tennessee (20 counties).

ABCs Population: The surveillance areas represent 34,747,463 perso National Center for Health Statistics bridged-race vintage 2020 post

ABCs Case Definition: Disease is defined as isolation of S. pneumor normally sterile site or detection of pathogen-specific nucleic acid in obtained from a normally sterile body site, using a validated molecu resident of one of the surveillance areas.

ABCs Methodology: ABCs personnel routinely contacted microbiol laboratories serving acute care hospitals to identify cases. Standardized report forms that include information on demographic characteristic syndrome, and outcome of illness were completed for each identified Whole genome sequencing (WGS) based characterization was cond pneumococcal isolates, which includes deduction of capsular seroty minimum inhibitory concentration (MIC) predictions (including PBP for determining beta lactam antibiotic MICs). Conventional MIC test conducted on selected strains. Regular laboratory audits assessed completeness of active surveillance and detected additional cases.

Rates of invasive pneumococcal disease were calculated using population estimates from the bridged-race vintage postcensal file. For national estimates, 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.

Haemophile (H	N	<i>Neisseria meningitidis</i> (NMen)				Streptococcus pneumoniae (SPN)					
oort	ABCs Profiles						Antibiotic Susceptibility				
	Race	No.	Rate*				Antibiotic	S*	I †	R‡	
	Black	474	7	.9		-	TMPsulfa	79.7	13.3	6.9	
o (5 county and (6 county hester and ity Portland	White	1,258	5	.0			Erythromycin	69.6	0.0	29.3	
	Other	148	4	.3			Levofloxacin	99.7	0.0	0.0	
							Penicillin+	96.0	1.6	1.7	
		Cas	Cases		Deaths		Cefotaxime	97.2	1.8	0.3	
	Age (years)	No.	Rate*	No.	Rate*		Tetracycline	88.0	0.0	12.0	
sons. Source: stcensal file.	<1	24	6.1	1	0.25		Vancomycin	100.0	0.0	0.0	
	1	18	4.5	0	0.00	Ba	Based on reference lab testing of 1,545 isolates *Susceptible; †Intermediate; ‡Resistant based or CLSI definitions. +Penicillin CLSI breakpoints ch 2009.				
oniae from a in a specimen cular test in a	2-4	22	1.8	3	0.24						
	5-17	29	0.5	1	0.02						
	18-34	138	1.7	6	0.07		National Estimates of Invasive Disea Total Cases: 17,680 (5.40/100,000 population)				
	35-49	325	4.8	47	0.69						
	50-64	658	9.9	89	1.33						
logy lized case ics, clinical ed case. ducted on all ype and ype and	65-74	360	11.0	67	2.04						
	75-84	196	12.4	36	2.27	Deaths: 2,580 (0.78/100,000 population					
	≥85	110	16.8	21	3.20		Syndromoc				
	Total	1,880	5.4	271	0.78		Syndromes				
	*Rates are per 100,000 population for ABCs areas						Syndrome •			No.	
							Meningitis			140	
ting is	¶ Surveillance Note						Bacteremia Wi	thout Focus		272	
completeness	Missing race (n	race (n=173) data were multiply imputed Bacteremia With Pneumonia							ia	1,305	

Citation

using sequential regression imputation methods.

Centers for Disease Control and Prevention. 2020. Active Bacterial Core Surveillance Report, Emerging Infections Program Network, Streptococcus pneumoniae, 2020. www.cdc.gov/abcs/downloads/SPN_Surveillance_Report_2020.pdf

*Percent of Cases

