

**Table 1 Supplemental Digital Content: Demographics of Patient Population**

	Study Patients No. (%) n=877
Sex	
Male	460 (52.5)
Age	
≤ 1 year	337 (38.4)
> 1 and ≤ 5 years	352 (40.1)
> 5 and ≤ 12 years	143 (16.3)
>12 years	45 (5.1)
Race	
Non-Hispanic White	174 (19.8)
Non-Hispanic Black	605 (69.0)
Hispanic	32 (3.7)
Other	66 (7.5)
Asthma Severity	
No asthma	521 (59.4)
Intermittent	87 (9.9)
Mild persistent	112 (12.8)
Moderate/severe	73 (8.3)
Unknown severity	84 (9.6)
Pneumococcal vaccine status	
None	65 (7.4)
Partial	257 (29.3)
Complete	493 (56.2)
Not applicable	62 (7.1)
Fall/Winter season	592 (67.5)
Temperature >38.4°C <sup>a</sup>	402 (46.3)
Percutaneous oxygen saturation <95% <sup>b</sup>	191 (25.1)
Ill appearing	146 (16.7)
Respiratory distress (any degree)	393 (44.8)
Chest radiograph	
No infiltrate	211 (24.1)
Infiltrate	604 (68.9)
No chest radiograph	62 (7.1)
WBC >15,000/mm <sup>3</sup>	115 (35.5)

Abbreviations: WBC, White blood cell count

<sup>a</sup>Temperature not recorded in 9 patients

<sup>b</sup>Percutaneous oxygen saturation not recorded in 115 patients

**Table 3 Supplemental Digital Content: Characteristic of Patients with Bacteremia**

<b>Case</b>	<b>Age</b>	<b>Organism</b>	<b>Penicillin MIC</b>	<b>Initial Antibiotic</b>	<b>Blood Culture Directed Changes in Management</b>	<b>Final Antibiotic</b>
1	10 yrs	<i>S. pneumoniae</i> (serotype 19A)	0.125	Ampicillin Erythromycin	Changed to vancomycin after initial positive blood culture; Changed to cefotaxime after final blood culture result	Amoxicillin
2	5 yrs	<i>S. aureus</i> (methicillin-resistant)	N/A	Ampicillin	Added vancomycin after final blood culture result	Linezolid
3	4 yrs	<i>S. pneumoniae</i> (serotype 9N)	0.032	Ampicillin-Sulbactam	Discontinued vancomycin after final blood culture result	Ampicillin
4	10 mo	<i>S. pneumoniae</i> (serotype 3)	0.064	Amoxicillin	None	Amoxicillin
5	1 yr	<i>S. pneumoniae</i> (serotype 19A)	0.125	Vancomycin Cefotaxime	Vancomycin discontinued after organism sensitivity information became available	Clindamycin
6	11 mo	<i>H. influenzae</i> ( <i>non-typable</i> )	N/A	Vancomycin Ceftazidime	Changed to ampicillin after final blood culture result	Amoxicillin
7	6 yrs	<i>Staphylococcus hominus</i> <sup>a</sup> <i>Staphylococcus epidermidis</i> <sup>a</sup>	N/A	Ceftazidime	None	Clindamycin
8	3 yrs	<i>Staphylococcus epidermidis</i> <sup>a</sup>	N/A	Amoxicillin	None	Amoxicillin

9	2yrs	Coagulase negative <i>Staphylococcus</i> *	N/A	Ampicillin	Added Vancomycin after initial positive blood culture Discontinued Vancomycin after final blood culture result	Amoxicillin
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Abbreviations: MIC, minimum inhibitory concentration; N/A, not applicable

<sup>a</sup>Determined to be contaminants