

St. Louis Children's Hospital Antibigrams 2021

Updated April 21, 2022

Gram Positive Bacteria

Percent of Strains Susceptible

Saint Louis Children's Hospital - 2021	Percent of Strains Susceptible to Antimicrobial Indicated															
	# Strains Tested	Ampicillin	Cefazolin	Ceftriaxone	Ceftriaxone (non-meningitis)	Ceftriaxone (meningitis)	Clindamycin	Doxycycline	Erythromycin	Levofloxacin	Linezolid	Oxacillin	Penicillin (non-meningitis)	Penicillin (meningitis)	Trimethoprim-Sulfamethoxazole	Vancomycin
Gram Positive																
<i>Staphylococcus aureus</i> - Inpatients	218		74	73			76	99	57		100	73			100	100
MRSA*	58		0	0			77	96	30		100	0			100	100
MSSA**	160		100	100			76	100	67		100	100			100	99
<i>Staphylococcus aureus</i> - Emergency Department	306		63	63			81	99	43		100	63			100	100
MRSA*	112		0	0			83	99	17		100	0			100	99
MSSA**	194		100	100			79	98	59		100	99			100	100
<i>Staphylococcus epidermidis</i>	48		19	19			38	87	20		100	19			54	98
<i>Enterococcus faecalis</i>	65	100						40			98					100
<i>Streptococcus pneumoniae</i> [†]	41				100	85	85	73	36	100			98	49		100

* Methicillin-Resistant *Staphylococcus aureus*

** Methicillin-Susceptible *Staphylococcus aureus*

[†] Susceptibility and resistance of *S. pneumoniae* to azithromycin is predicted by erythromycin.

Shaded boxes indicate organism/antimicrobial combinations not tested routinely.

Data based on first isolate per patient for inpatients unless otherwise noted.

Gram Negative Bacteria

Percent of Strains Susceptible

Saint Louis Children's Hospital - 2021		Percent of Strains Susceptible to Antimicrobial Indicated																		
	# Strains Tested	Amikacin	Ampicillin	Ampicillin-Sulbactam	Aztreonam	Cefazolin	Cefepime	Ceftolozane-Tazobactam	Ceftriaxone	Ceftazidime	Ciprofloxacin	Gentamicin	Imipenem	Levofloxacin	Meropenem	Minocycline	Nitrofurantoin [†]	Piperacillin-Tazobactam	Tobramycin	Trimethoprim-Sulfamethoxazole
Gram Negative Bacilli																				
<i>Enterobacter cloacae</i> complex	51		•	•	•	•	92		•	•	96	98			100			•		94
<i>Escherichia coli</i> - Inpatients	108		44	71		82	95		93	94	87	91			100			100		69
<i>Escherichia coli</i> - Inpatients URINE ONLY	68		47			96	100		97	99	90	94			100		100	100		66
<i>Escherichia coli</i> - Emergency Department	262		57			96	100		98	99	89	93			100			100		79
<i>Escherichia coli</i> - Emergency Dept. URINE ONLY	257		58			97	100		99	99	89	93			100		100	100		80
<i>Klebsiella oxytoca</i>	34		0			47	100		97	97	100	100			100			100		94
<i>Klebsiella pneumoniae</i>	48		0	92		88	98		92	92	90	96			100			96		92
<i>Pseudomonas aeruginosa</i> (including mucoid morphotype)	101	95			87		96	98		95	94	86	92		95			96	90	
<i>Serratia marcescens</i>	43		•	•	•	•	98		•	•	95	86			100			•		95
<i>Stenotrophomonas maltophilia</i>	36													92		100				92

[†] Only indicated for uncomplicated cystitis.

• Because of the presence of inducible beta-lactamase, these organisms should be considered resistant to the antimicrobial indicated.

Shaded boxes indicate organism/antimicrobial combinations not tested routinely.

Data based on first isolate per patient for inpatients unless otherwise noted.