

Arkansas Children's Hospital Selected Organisms 2024

Organism (Gram Positive)	Percent (%) Susceptible									
	Total Strains (n)	Ampicillin	Oxacillin	Penicillin	Ceftriaxone	Clindamycin	Gentamicin - synergy	Linezolid	Trimethoprim-sulfamethoxazole	Vancomycin
<i>Enterococcus faecalis</i>	68	100		100			91			100
<i>Staphylococcus aureus</i> (all)	578		63			83		100	97	100
<i>Staphylococcus aureus</i> (methicillin-susceptible)	371		100			82		100	97	100
<i>Staphylococcus aureus</i> (methicillin-resistant)	220		0			84		100	97	100
<i>Staphylococcus epidermidis</i>	39		30							100
<i>Streptococcus pneumoniae</i> : (INVASIVE NON MENINGITIS)	61			93	100					
<i>Streptococcus pneumoniae</i> : (MENINGITIS)*	61			49	96					

All values represent percent susceptible.

Spaces left blank are due to either insufficient data to report susceptibilities or intrinsic resistance.

* = Percent susceptible based on samples from all sites utilizing meningitis breakpoints in accordance with CLSI M39 standards.

Percent (%) Susceptible

Organism (Gram Negative)	Total Strains (n)	**ESBL Total Strains (n)	Ampicillin	Amoxicillin-clavulanate	Ampicillin-sulbactam	Piperacillin-tazobactam	Cefazolin/cephalexin	Ceftriaxone	Ceftazidime	Cefepime	Ertapenem	Meropenem	Ciprofloxacin	Levofloxacin	Aztreonam	Gentamicin	Tobramycin	Trimethoprim-sulfamethoxazole
<i>Acinetobacter baumannii/calcoaceticus</i> complex	31				100			51	96	80		100	93	96		90	90	90
<i>Enterobacter cloacae</i> complex	56					94		85	87	100	98	100	91	92	91	98	100	87
<i>Escherichia coli</i>	764	55	46	83	50	92	88	92	95	94	99	99	76	85	94	89	90	71
<i>Klebsiella oxytoca</i>	35			94	48	91	22	94	97	100	100	100	94	94	94	97	97	97
<i>Klebsiella pneumoniae</i>	135	24		77	68	77	79	83	81	91	99	100	78	81	81	85	85	85
<i>Proteus mirabilis</i>	58		91	98	91	100	77	98	100	100	100		93	93	100	88	88	96
<i>Pseudomonas aeruginosa</i>	157					88			92	93		96	84	82	84			
<i>Salmonella sp.</i>	31		100				16	100			100	100						100
<i>Serratia marcescens</i>	69					100		88	91	98	100	100	91	92	92	89	76	98
<i>Stenotrophomonas maltophilia</i>	36													83				97

All values represent percent susceptible.

Spaces left blank are due to either insufficient data to report susceptibilities or intrinsic resistance.

** ESBL (extended spectrum beta lactamase) producing organisms are resistant to many antibiotics, including most beta-lactam antibiotics, and may also carry other resistance mechanisms.

Percent (%) Susceptible

Organism (Cystic Fibrosis) *	Total Strains (n)	Oxacillin	Clindamycin	Linezolid	Trimethoprim-Sulfamethoxazole	Tetracycline	Vancomycin
<i>Staphylococcus aureus</i> - All	97	75	84	100	100	96	100
<i>Staphylococcus aureus</i> - Methicillin Susceptible	74	100	85	100	100	95	100
<i>Staphylococcus aureus</i> - Methicillin Resistant	25	0	84	100	100	100	100

All values represent percent susceptible.

Spaces left blank are due to either insufficient data to report susceptibilities or intrinsic resistance.

* Pseudomonas isolate count insufficient to include on antibiogram.

Percent (%) Susceptible

Organism (Urine)	Total Strains (n)	**ESBL Total Strains (n)	Amoxicillin-clavulanate	Ampicillin	Ampicillin-sulbactam	Piperacillin-tazobactam	Cefazolin/cephalexin	Ceftriaxone	Ceftazidime	Cefepime	Ertapenem	Meropenem	Ciprofloxacin	Levofloxacin	Aztreonam	Gentamicin	Nitrofurantoin (cystitis)	Trimethoprim-sulfamethoxazole	Vancomycin
<i>Enterococcus faecalis</i>	55			100													100		100
<i>Escherichia coli</i>	687	46	84	46	50	92	90	93	95	95	99	99	76	85	94	89	99	70	
<i>Klebsiella pneumoniae</i>	96	15	77		65	76	80	84	82	89	98	100	78	82	82	85	56	82	
<i>Proteus mirabilis</i>	48		97	91	91	100	93	97	100	100	100		91	91	100	90		95	

All values represent percent susceptible.

Spaces left blank are due to either insufficient data to report susceptibilities or intrinsic resistance.

** ESBL (extended spectrum beta lactamase) producing organisms are resistant to many antibiotics, including most beta-lactam antibiotics, and may also carry other resistance mechanisms.