

Arkansas Children's Hospital Selected Organisms 2023

Organism (Gram Positive)	Total strains	Ampicillin	Oxacillin	Penicillin	Ceftriaxone	Clindamycin	Gentamicin - synergy	Linezolid	Trimeth/Sulfa	Vancomycin
<i>Enterococcus faecalis</i>	72	100		100			92			100
<i>Staphylococcus aureus- All</i>	557		58			80		100	97	100
<i>Staphylococcus aureus- Methicillin susceptible</i>	340		100			79		100	98	100
<i>Staphylococcus aureus- Methicillin resistant</i>	239		0			80		100	96	100
<i>Staphylococcus epidermidis</i>	37		24							100
<i>Streptococcus pneumoniae:</i> (INVASIVE NON MENINGITIS)	57			94	100					
<i>Streptococcus pneumoniae:</i> (MENINGITIS)*	See above			54	94					

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

Organism (Gram Negative)	Total Strains	Ampicillin	Amox/Clav	Amp/Sulb	Piper/Tazo	Cefazolin	Ceftriaxone	Ceftazidime	Cefepime	Ertapenem	Meropenem	Ciprofloxacin	Levofloxacin	Aztreonam	Gentamicin	Tobramycin	Trimeth/Sulfa	**ESBL Total Strains
<i>Acinetobacter baumannii/ calcoaceticus</i> complex	37			100			29	83	72		100	91	100		83	86	86	
<i>Enterobacter cloacae</i> complex	53				81		75	77	92	92	98	94	96	77	98	98	90	
<i>Escherichia coli</i>	733	45	81	49	90	86	91	94	93	100	100	78	85	93	91	90	70	53
<i>Klebsiella oxytoca</i>	41		97	26	97	26	97	100	100	100	100	100	100	97	100	100	100	
<i>Klebsiella pneumoniae</i>	127		88	77	87	87	89	89	89	100	100	88	88	89	97	97	85	15
<i>Proteus mirabilis</i>	61	93	98	98	100	75	100	100	100	100		96	98	100	45	57	95	
<i>Pseudomonas aeruginosa</i>	147				88			91	92		93	84	82	83				
<i>Serratia marcescens</i>	91				100		96	97	100	100	100	90	95	97	97	80	98	
<i>Stenotrophomonas maltophilia</i>	57							52					91				100	

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) Organisms expressing ESBL are resistant to many antibiotics and most beta lactam antimicrobials. They may carry other resistance mechanisms as well.

Organism (Cystic Fibrosis)*	Total Strains	Oxacillin	Clindamycin	Linezolid	Trimeth/Sulfa	Tetracycline	Vancomycin
<i>Staphylococcus aureus</i> - All	80	78	81	100	96	96	100
<i>Staphylococcus aureus</i> - Methicillin Susceptible	64	100	84	100	96	98	100
<i>Staphylococcus aureus</i> - Methicillin Resistant	19	0	63	100	94	89	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

Organism (Urine)	Total Strains	Amox/Clav	Ampicillin	Amp/Sulb	Piper/Tazo	Cefazolin	Ceftriaxone	Ceftazidime	Cefepime	Ertapenem	Meropenem	Ciprofloxacin	Levofloxacin	Aztreonam	Gentamicin	Nitrofurantoin (cystitis only)	Trimeth/Sulfa	Vancomycin	**ESBL Total Strains
<i>Enterococcus faecalis</i>	55		100													100		100	
<i>Escherichia coli</i>	656	83	46	50	91	89	91	94	93	100	100	77	85	93	91	98	71		44
<i>Klebsiella pneumoniae</i>	88	86		77	84	86	86	86	86	100	100	84	85	86	96	59	81		13
<i>Proteus mirabilis</i>	48	97	91	97	100	95	100	100	100	100		97	97	100	45	0	93		

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) Organisms expressing ESBL are resistant to many antibiotics and most beta lactam antimicrobials. They may carry other resistance mechanisms as well.