

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report  
All Clients, Blood/Systemic Isolates | January 2017 - December 2017

% Susceptible Gram Positive	Total*	Penicillin(2)	Ampicillin	Oxacillin(1)	Amoxicillin/Clavulanate	Cefotaxime(8)	Ceftriaxone(8)	Meropenem	Gentamicin	Ciprofloxacin(7)	Levofloxacin(7)	Moxifloxacin	Trimethoprim/Sulfa	Clindamycin(5)	Daptomycin(6)	Erythromycin(5)	Nitrofurantoin(3)	Linezolid(4)	Vancomycin	Tetracycline(7)	Gentamicin Synergy(8)	Streptomycin Synergy(8)	Penicillin (non-CSF)(2)	Penicillin V (oral)(2)	Cefotaxime (non-CSF)(2)	Ceftriaxone (non-CSF)(2)
<i>Staph. aureus</i> (MSSA) 74%	14	--	--	100	--	--	--	--	100	93	93	100	93	71	100	71	--	100	100	86	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 26%	5	--	--	0	--	--	--	--	100	0	0	40	100	0	80	0	--	100	100	100	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	28	--	--	21	--	--	--	--	93	37	39	54	42	68	100	36	--	100	100	89	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	11	64	--	--	100	100	100	100	--	--	100	--	82	80	--	73	--	--	100	82	--	--	100	64	100	100
<i>Enterococcus faecalis</i>	6	100	100	--	--	R	R	--	--	50	83	--	R	R	100	--	--	100	100	33	83	83	--	--	--	--
<i>Enterococcus faecium</i>	1	0	0	--	--	R	R	--	--	0	0	--	R	R	0	--	--	100	100	0	100	100	--	--	--	--
<i>Enterococcus spp.</i>	0	--	--	--	--	R	R	--	--	--	--	--	R	R	--	--	--	--	--	--	--	--	--	--	--	--

The % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism encountered on a given patient.

R Organism has intrinsic resistance to this antimicrobial.

-- Not tested/indicated for organism.

\* Antibiograms created for organisms with less than 30 total isolates have questionable statistical significance. Interpret data with caution.

(1) Oxacillin predicts susceptibility to most cephalosporins, carbapenems, and beta-lactam/beta-lactamase inhibitors.

(2) For *S. pneumoniae*: cefotaxime, ceftriaxone, and penicillin % susceptible listed is based on parenteral CSF (meningitis), parenteral non-CSF, and oral MIC breakpoints.

(3) Nitrofurantoin is reported for isolates from urine only.

(4) Linezolid is reported for isolates from non-urine sources only.

(5) For *Staphylococcus spp.*: clindamycin and erythromycin are reported for isolates from non-urine sources only.

(6) For *Staphylococcus spp.*: daptomycin is reported for isolates from non-respiratory sources only.

(7) For all *Enterococcus spp.*: ciprofloxacin, levofloxacin, and tetracycline are reported for isolates from urine only.

(8) For *E. faecalis* and *E. faecium*: gentamicin and streptomycin high-level resistance testing is reported for isolates from blood cultures only. 14% of *E. faecalis* isolates were resistant to both gentamicin and streptomycin at high-levels.

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% Susceptible Gram Negative	Total*	Ampicillin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefuroxime	Cefotaxime	Ceftazidime	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin(1)	Tetracycline(2)
<i>Escherichia coli</i>	27	56	63	100	85	85	96	93	93	96	89	96	100	100	100	100	100	81	81	63	--	70
<i>Klebsiella pneumoniae</i>	10	R	90	90	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	90	--	80
<i>Proteus mirabilis</i>	3	100	100	100	100	100	100	100	100	100	67	100	100	100	100	67	67	67	67	67	R	R
<i>Enterobacter aerogenes</i>	2	R	R	100	R	R	100	100	100	100	R	100	100	100	100	100	100	100	100	100	--	100
<i>Enterobacter cloacae</i>	2	R	R	100	R	R	100	100	100	100	R	100	100	100	100	100	100	100	100	100	--	100
<i>Serratia marcescens</i>	1	R	R	100	R	R	100	100	100	100	R	100	100	100	100	100	100	100	100	100	R	0
<i>Pseudomonas aeruginosa</i>	6	R	R	100	R	R	R	100	R	100	R	100	R	100	100	100	100	100	100	R	--	R
<i>Acinetobacter baumannii</i>	0	R	--	--	R	R	--	--	--	--	R	R	R	--	--	--	--	--	--	--	--	--
<i>Citrobacter freundii</i>	0	R	R	--	R	R	--	--	--	--	R	--	--	--	--	--	--	--	--	--	--	--
<i>Morganella morganii</i>	0	R	--	--	R	R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	R	R
<i>Providencia spp.</i>	0	R	--	--	R	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	1	R	R	R	R	R	R	0	R	--	R	R	R	R	R	R	R	--	100	100	--	R
<i>Klebsiella oxytoca</i>	1	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	--	100
<i>Haemophilus influenzae</i>	1	Beta-lactamase positive: 0%																				

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(1) Nitrofurantoin is reported for isolates from urine only.

(2) For *A. baumannii*: tetracycline is reported for isolates from urine only.