

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report  
All Clients, Other Isolates | January 2019 - December 2019

% Susceptible Gram Positive	Total*	Penicillin(2)	Ampicillin	Oxacillin(1)	Amoxicillin/Clavulanate	Cefotaxime(2)	Ceftriaxone(2)	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) 68%	729	--	--	100	--	--	--	--	98	87	89	95	99	82	100	67	--	100	100	96	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 32%	341	--	--	0	--	--	--	--	97	37	40	74	97	71	99	18	--	100	100	92	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	131	--	--	68	--	--	--	--	96	83	82	89	81	76	100	58	--	100	100	88	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	37	57	--	--	95	89	89	81	--	--	100	--	59	89	--	41	--	--	100	76	--	--	97	56	100	100
<i>Enterococcus faecalis</i>	179	100	100	--	--	R	R	--	--	77	83	--	R	R	100	--	--	99	99	27	--	--	--	--	--	--
<i>Enterococcus faecium</i>	12	25	25	--	--	R	R	--	--	25	25	--	R	R	75	--	--	100	33	17	--	--	--	--	--	--
<i>Enterococcus spp.</i>	12	83	83	--	--	R	R	--	--	75	83	--	R	R	100	--	--	100	67	92	--	--	--	--	--	--

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

**Other Isolates includes isolates from body sites other than urine and blood such as wound, tissue, genital, body fluid, stool, and respiratory.**

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.

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% Susceptible Gram Negative	Total*	Ampicilin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefuroxime	Cefotaxime	Ceftazidime	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin <sup>(1)</sup>	Tetracycline <sup>(2)</sup>
<i>Escherichia coli</i>	100	49	51	95	83	88	94	92	92	94	94	94	100	100	98	91	86	73	73	72	--	67
<i>Klebsiella pneumoniae</i>	60	R	75	95	85	85	88	87	88	88	93	88	98	100	100	93	85	87	97	80	--	72
<i>Proteus mirabilis</i>	81	77	81	100	81	93	98	98	98	98	95	98	100	100	100	80	81	48	67	75	R	R
<i>Enterobacter aerogenes</i>	18	R	R	89	R	R	83	89	83	94	R	94	100	100	100	100	100	100	100	94	--	89
<i>Enterobacter cloacae</i>	73	R	R	93	R	R	90	93	89	99	R	89	99	99	100	97	97	97	97	93	--	90
<i>Serratia marcescens</i>	50	R	R	90	R	R	96	94	98	100	R	92	100	100	100	100	100	90	98	100	R	26
<i>Pseudomonas aeruginosa</i>	228	R	R	96	R	R	R	93	R	89	R	82	R	92	95	86	95	81	81	R	--	R
<i>Acinetobacter baumannii</i>	20	R	90	--	R	R	50	75	60	70	R	R	R	85	95	90	95	75	80	80	--	65
<i>Citrobacter freundii</i>	14	R	R	93	R	R	86	86	86	100	R	86	100	100	100	100	93	100	100	93	--	93
<i>Morganella morganii</i>	14	R	0	100	R	R	100	93	100	100	93	100	100	100	100	100	100	86	86	79	R	R
<i>Providencia spp.</i>	7	R	43	100	R	57	100	86	100	100	100	86	100	100	100	57	57	71	71	100	R	R
<i>Shigella spp.</i>	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	0	--	--
<i>Stenotrophomonas</i>	30	R	R	R	R	R	R	43	R	--	R	R	R	R	R	R	R	--	87	100	--	R
<i>Klebsiella oxytoca</i>	38	R	66	97	45	95	95	95	95	95	97	95	100	100	100	92	95	92	97	89	--	92
<i>Haemophilus influenzae</i>	72	Beta-lactamase positive: 19%																				

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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.