

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Other Isolates | January 2018 - December 2018

% 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) 67%	898	--	--	100	--	--	--	--	99	90	91	97	99	78	100	67	--	100	100	92	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 33%	446	--	--	0	--	--	--	--	98	36	38	74	98	69	100	16	--	100	100	92	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	214	--	--	60	--	--	--	--	91	81	82	89	83	68	100	52	--	100	100	86	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	33	70	--	--	97	97	93	97	--	--	100	--	73	87	--	47	--	--	100	80	--	--	97	97	97	71
<i>Enterococcus faecalis</i>	236	100	100	--	--	R	R	--	--	78	81	--	R	R	99	--	--	100	95	26	--	--	--	--	--	--
<i>Enterococcus faecium</i>	12	50	50	--	--	R	R	--	--	42	58	--	R	R	100	--	--	100	42	42	--	--	--	--	--	--
<i>Enterococcus spp.</i>	13	77	77	--	--	R	R	--	--	92	92	--	R	R	92	--	--	100	69	31	--	--	--	--	--	--

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*	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>	138	59	64	99	88	89	94	93	93	94	96	94	100	100	100	94	95	78	79	80	--	80
<i>Klebsiella pneumoniae</i>	61	R	82	98	84	84	92	92	92	92	89	92	100	100	100	93	92	92	95	87	--	82
<i>Proteus mirabilis</i>	89	88	93	100	96	98	99	99	99	99	98	99	100	100	100	85	88	49	61	74	R	R
<i>Enterobacter aerogenes</i>	16	R	R	88	R	R	81	88	88	100	R	88	94	100	94	100	100	100	100	100	--	88
<i>Enterobacter cloacae</i>	67	R	R	96	R	R	91	93	88	100	R	93	100	100	100	100	100	99	100	96	--	93
<i>Serratia marcescens</i>	50	R	R	94	R	R	96	96	98	98	R	94	100	100	100	100	94	88	96	96	R	24
<i>Pseudomonas aeruginosa</i>	247	R	R	99	R	R	R	95	R	94	R	87	R	91	99	89	96	81	79	R	--	R
<i>Acinetobacter baumannii</i>	25	R	92	--	R	R	44	84	68	84	R	R	R	92	96	92	96	80	80	88	--	84
<i>Citrobacter freundii</i>	13	R	R	100	R	R	92	92	92	100	R	92	100	100	100	100	100	92	92	85	--	69
<i>Morganella morganii</i>	31	R	3	100	R	R	100	97	100	100	71	97	100	100	100	77	87	65	71	71	R	R
<i>Providencia spp.</i>	18	R	61	100	R	78	100	89	100	100	89	100	100	100	94	61	61	78	78	89	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	29	R	R	R	R	R	R	45	R	--	R	R	R	R	R	R	R	--	90	100	--	R
<i>Klebsiella oxytoca</i>	41	10	76	98	54	93	95	95	95	95	98	95	100	100	100	98	98	100	100	95	--	93
<i>Haemophilus influenzae</i>	60	Beta-lactamase positive: 35%																				

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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.