

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Other Isolates | January 2023 - December 2023

% 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)	Vancormycin	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) 72%	668	--	--	100	--	--	--	--	99	90	92	97	99	75	100	67	--	100	100	93	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 28%	261	--	--	0	--	--	--	--	98	39	41	80	97	72	100	19	--	100	100	90	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	129	--	--	63	--	--	--	--	93	84	84	93	82	65	100	50	--	100	100	78	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	27	52	--	--	93	59	63	59	--	--	100	--	48	93	--	48	--	--	100	78	--	--	100	54	100	100
<i>Enterococcus faecalis</i>	175	99	99	--	--	R	R	--	--	79	93	--	R	R	100	--	--	99	100	29	--	--	--	--	--	--
<i>Enterococcus faecium</i>	5	40	80	--	--	R	R	--	--	60	60	--	R	R	80	--	--	100	80	40	--	--	--	--	--	--
<i>Enterococcus spp.</i>	10	90	90	--	--	R	R	--	--	90	90	--	R	R	90	--	--	100	70	40	--	--	--	--	--	--

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, and respiratory.

R Organism has intrinsic resistance to this antimicrobial.

-- Not tested/indicated for organism.

* Antibigrams 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	Ceftazidime	Ceftazidime/Avibactam	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Imipenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin(3)	Levofloxacin(3)	Trimethoprim/Sulfa	Nitrofurantoin (1)	Tetracycline(2)	Tigecycline
<i>Escherichia coli</i>	112	46	56	98	72	90	100	90	93	95	92	100	100	100	100	90	92	85	86	74	--	71	100
<i>Klebsiella pneumoniae</i>	47	R	89	98	87	89	100	89	91	98	89	100	100	100	100	98	96	94	98	85	--	83	98
<i>Proteus mirabilis</i>	74	85	89	100	77	96	100	96	96	100	96	100	--	100	100	89	91	65	82	84	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	20	R	R	85	R	75	100	75	100	R	80	100	65	100	100	100	100	95	100	100	--	90	100
<i>Enterobacter cloacae</i> complex	49	R	R	88	R	86	100	78	92	R	84	94	98	100	100	100	98	98	98	92	--	100	100
<i>Serratia marcescens</i>	32	R	R	88	R	81	100	88	100	R	91	100	--	100	100	100	100	84	100	97	R	19	100
<i>Pseudomonas aeruginosa</i>	183	R	R	96	R	95	100	R	95	R	85	R	82	91	98	93	99	93	93	R	--	R	--
<i>Acinetobacter baumannii</i>	6	R	83	--	R	83	--	83	83	R	R	R	83	83	100	100	83	83	83	83	--	83	--
<i>Citrobacter freundii</i> complex	16	R	R	94	R	94	100	94	94	R	94	100	88	100	100	94	94	94	100	88	--	94	100
<i>Morganella morganii</i>	26	R	8	100	R	88	100	92	100	92	92	100	27	100	100	92	100	88	88	88	R	R	0
<i>Providencia</i> spp.	8	R	0	100	R	88	100	100	100	100	88	100	0	100	100	13	13	75	75	88	R	R	0
<i>Salmonella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	27	R	R	R	R	44	--	R	--	R	R	R	R	R	R	R	R	--	93	96	--	R	--
<i>Klebsiella oxytoca</i>	27	R	56	96	19	96	100	93	96	100	93	100	100	100	100	96	96	100	100	93	--	89	100
<i>Haemophilus influenzae</i>	68	Beta-lactamase positive: 28%																					

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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.

(3) Ciprofloxacin/Levofloxacin: Enterobacterales & *P. aeruginosa* %Susceptible utilizes CLSI M100 28th Edition breakpoints.