

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Urine 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) 61%	129	--	--	100	--	--	--	--	98	86	88	--	99	--	100	--	98	100	100	96	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 39%	82	--	--	0	--	--	--	--	98	16	17	--	90	--	100	--	100	100	100	94	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	618	--	--	55	--	--	--	--	95	73	74	--	75	--	100	--	100	100	100	87	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	1	100	--	--	100	100	100	--	--	--	100	--	100	--	--	--	--	--	100	100	--	--	100	100	100	100	100
<i>Enterococcus faecalis</i>	1216	100	100	--	--	R	R	--	--	79	89	--	R	R	100	--	100	99	99	29	--	--	--	--	--	--	--
<i>Enterococcus faecium</i>	106	27	30	--	--	R	R	--	--	25	28	--	R	R	87	--	70	100	59	30	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	15	80	80	--	--	R	R	--	--	53	67	--	R	R	100	--	73	100	67	33	--	--	--	--	--	--	--

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.

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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>	7871	60	66	98	76	93	100	93	94	97	93	100	100	100	100	93	94	85	87	79	98	78	100
<i>Klebsiella pneumoniae</i>	1555	R	85	99	89	94	100	94	94	96	94	100	99	100	100	97	97	96	98	89	47	85	99
<i>Proteus mirabilis</i>	788	84	90	100	76	98	100	97	98	99	98	100	--	100	100	92	92	80	87	82	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	217	R	R	89	R	84	100	82	100	R	88	99	67	100	100	100	100	99	99	98	25	96	100
<i>Enterobacter cloacae</i> complex	291	R	R	84	R	73	100	68	93	R	74	88	96	100	100	98	98	98	99	91	27	88	98
<i>Serratia marcescens</i>	68	R	R	84	R	75	99	72	100	R	81	97	--	100	100	100	90	96	97	99	R	10	100
<i>Pseudomonas aeruginosa</i>	562	R	R	98	R	98	99	R	97	R	89	R	87	96	98	90	99	91	91	R	--	R	--
<i>Acinetobacter baumannii</i>	3	R	100	--	R	100	--	67	100	R	R	R	100	100	100	100	100	100	100	100	--	100	--
<i>Citrobacter freundii</i> complex	232	R	R	91	R	79	100	74	99	R	79	100	98	100	100	97	97	96	98	88	97	86	100
<i>Morganella morganii</i>	88	R	11	97	R	77	100	81	100	81	91	100	18	100	100	82	98	81	85	72	R	R	0
<i>Providencia</i> spp.	67	R	43	97	R	84	94	99	99	99	85	99	87	100	100	58	58	69	72	84	R	R	0
<i>Salmonella</i> spp.	9	100	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	15	R	R	R	R	60	--	R	--	R	R	R	R	R	R	R	R	--	80	100	--	R	--
<i>Klebsiella oxytoca</i>	336	R	62	96	17	91	100	90	91	97	90	100	99	100	100	94	94	96	99	88	92	86	100
<i>Haemophilus influenzae</i>	0	Beta-lactamase positive: --%																					

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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.