

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Urine Isolates | January 2022 - December 2022

% 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) 63%	102	--	--	100	--	--	--	--	98	77	78	--	98	--	100	--	99	100	100	95	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 37%	61	--	--	0	--	--	--	--	95	13	13	--	85	--	100	--	97	100	100	98	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	613	--	--	53	--	--	--	--	96	72	73	--	76	--	100	--	99	100	100	85	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	4	50	--	--	100	100	100	--	--	--	100	--	50	--	--	--	--	--	100	50	--	--	100	25	100	100	
<i>Enterococcus faecalis</i>	1021	100	100	--	--	R	R	--	--	82	88	--	R	R	100	--	100	100	100	29	--	--	--	--	--	--	--
<i>Enterococcus faecium</i>	76	26	26	--	--	R	R	--	--	18	22	--	R	R	91	--	74	100	62	29	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	18	78	83	--	--	R	R	--	--	72	72	--	R	R	100	--	78	100	89	39	--	--	--	--	--	--	--

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	Ampicilin/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>	7023	62	67	98	77	94	100	94	95	97	94	100	100	100	100	94	94	86	86	82	97	80	100
<i>Klebsiella pneumoniae</i>	1412	R	87	99	89	95	100	95	95	96	95	100	100	100	100	98	98	97	98	91	42	86	99
<i>Proteus mirabilis</i>	704	87	93	100	75	98	100	97	98	98	98	100	--	100	100	91	92	73	83	79	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	207	R	R	88	R	81	100	78	100	R	83	96	77	100	100	100	100	99	100	100	23	94	99
<i>Enterobacter cloacae</i> complex	286	R	R	81	R	73	100	62	98	R	70	88	94	100	100	98	98	98	99	90	25	89	99
<i>Serratia marcescens</i>	56	R	R	79	R	79	100	84	100	R	82	100	--	100	100	100	96	98	100	95	R	11	100
<i>Pseudomonas aeruginosa</i>	494	R	R	95	R	96	99	R	95	R	89	R	86	94	97	87	97	90	90	R	--	R	--
<i>Acinetobacter baumannii</i>	2	R	100	--	R	100	--	50	100	R	R	R	100	100	100	100	100	100	100	100	--	100	--
<i>Citrobacter freundii</i> complex	249	R	R	92	R	79	100	75	99	R	78	100	99	100	100	96	96	95	97	85	92	84	99
<i>Morganella morganii</i>	64	R	8	100	R	80	100	84	100	73	94	98	8	100	100	77	95	69	83	64	R	R	0
<i>Providencia</i> spp.	53	R	51	94	R	81	87	98	100	96	83	98	79	100	100	62	64	74	83	87	R	R	0
<i>Salmonella</i> spp.	7	100	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	100	100	100	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	9	R	R	R	R	44	--	R	--	R	R	R	R	R	R	R	R	--	67	100	--	R	--
<i>Klebsiella oxytoca</i>	300	R	65	96	15	93	100	90	93	99	90	100	99	100	100	96	95	95	98	90	89	88	100
<i>Haemophilus influenzae</i>	1	Beta-lactamase positive: 100%																					

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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.