

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Urine Isolates | January 2021 - December 2021

% 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) 70%	114	--	--	100	--	--	--	--	97	78	80	--	98	--	100	--	99	100	100	96	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 30%	49	--	--	0	--	--	--	--	100	22	22	--	96	--	100	--	100	100	100	96	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	629	--	--	56	--	--	--	--	95	64	64	--	73	--	100	--	100	100	100	87	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	2	50	--	--	100	100	100	--	--	--	100	--	50	--	--	--	--	--	100	50	--	--	100	50	100	100	
<i>Enterococcus faecalis</i>	897	100	100	--	--	R	R	--	--	80	85	--	R	R	100	--	99	100	99	30	--	--	--	--	--	--	--
<i>Enterococcus faecium</i>	84	40	44	--	--	R	R	--	--	31	32	--	R	R	92	--	51	100	66	49	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	18	67	67	--	--	R	R	--	--	72	72	--	R	R	100	--	89	100	78	22	--	--	--	--	--	--	--

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>	6596	61	66	98	75	94	100	94	95	96	95	100	100	100	100	94	95	85	85	82	98	80	100
<i>Klebsiella pneumoniae</i>	1262	R	87	98	91	96	100	96	96	97	96	100	100	100	100	98	98	97	99	91	46	85	99
<i>Proteus mirabilis</i>	659	86	94	100	76	99	100	98	99	98	99	100	--	100	100	90	92	70	81	78	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	176	R	R	88	R	85	100	82	99	R	85	99	81	100	100	99	99	98	98	97	22	92	100
<i>Enterobacter cloacae</i> complex	264	R	R	83	R	74	100	66	97	R	74	90	97	100	100	98	98	97	99	89	34	84	98
<i>Serratia marcescens</i>	60	R	R	92	R	75	97	82	100	R	80	98	--	98	100	98	97	96	98	93	R	8	98
<i>Pseudomonas aeruginosa</i>	478	R	R	95	R	97	99	R	95	R	87	R	82	92	99	89	98	86	83	R	--	R	--
<i>Acinetobacter baumannii</i>	4	R	100	--	R	100	--	100	100	R	R	R	100	100	100	100	100	100	100	100	--	100	--
<i>Citrobacter freundii</i> complex	252	R	R	93	R	77	100	72	99	R	78	100	99	100	100	97	97	94	96	85	95	81	100
<i>Morganella morganii</i>	56	R	18	98	R	75	100	75	100	70	86	98	7	100	100	80	98	63	79	63	R	R	0
<i>Providencia</i> spp.	56	R	55	100	R	86	100	96	100	91	95	100	76	100	100	63	63	64	68	89	R	R	0
<i>Salmonella</i> spp.	3	100	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	12	R	R	R	R	67	--	R	--	R	R	R	R	R	R	R	R	--	92	92	--	R	--
<i>Klebsiella oxytoca</i>	258	R	72	95	21	94	100	91	94	98	92	100	100	100	100	97	97	95	98	91	92	91	100
<i>Haemophilus influenzae</i>	1	Beta-lactamase positive: 0%																					

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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.