

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, All 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) 71%	683	--	--	100	--	--	--	--	99	86	88	96	99	80	100	66	99	100	100	93	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 29%	278	--	--	0	--	--	--	--	98	40	42	77	96	72	99	18	100	100	100	91	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	765	--	--	58	--	--	--	--	95	66	67	91	74	71	100	53	100	100	100	87	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	25	67	--	--	88	88	92	82	--	--	100	--	75	83	--	55	--	--	100	75	--	--	100	65	100	100	
<i>Enterococcus faecalis</i>	1068	100	100	--	--	R	R	--	--	81	85	--	R	R	100	--	99	100	99	30	40	60	--	--	--	--	--
<i>Enterococcus faecium</i>	90	40	43	--	--	R	R	--	--	30	32	--	R	R	92	--	51	100	64	48	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	31	77	77	--	--	R	R	--	--	71	71	--	R	R	100	--	89	100	68	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 (5 isolates).

(20% of *E. faecalis* isolates (1 out of 5) from blood had high-level resistance to both gentamicin and streptomycin.)

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% Susceptible Gram Negative	Total*	Ampicilin	Ampicillin/Sulbactam	Piperacilin/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>	6706	61	66	98	75	94	100	94	95	96	95	100	100	100	100	94	95	85	85	82	98	81	100
<i>Klebsiella pneumoniae</i>	1312	R	87	98	90	95	100	95	95	97	95	100	100	100	100	98	98	97	98	91	46	85	99
<i>Proteus mirabilis</i>	737	86	93	100	76	99	100	98	99	99	99	100	--	100	100	90	92	69	81	78	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	190	R	R	89	R	85	100	83	99	R	85	99	80	100	100	99	98	97	98	97	22	92	100
<i>Enterobacter cloacae</i> complex	310	R	R	85	R	77	100	68	97	R	77	91	97	100	100	99	98	97	99	90	34	85	98
<i>Serratia marcescens</i>	99	R	R	93	R	82	98	84	100	R	85	97	--	99	100	99	97	87	99	94	R	11	99
<i>Pseudomonas aeruginosa</i>	677	R	R	94	R	95	99	R	94	R	87	R	81	90	98	89	97	88	86	R	--	R	--
<i>Acinetobacter baumannii</i>	18	R	89	--	R	83	--	78	72	R	R	R	100	89	100	67	100	83	83	78	--	83	--
<i>Citrobacter freundii</i> complex	265	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>	75	R	19	99	R	77	100	80	100	76	87	99	7	100	100	83	99	68	80	69	R	R	0
<i>Providencia</i> spp.	68	R	51	100	R	87	98	97	100	93	94	100	79	100	100	60	62	66	69	88	R	R	0
<i>Salmonella</i> spp.	5	100	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	100	100	100	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	49	R	R	R	R	55	--	R	--	R	R	R	R	R	R	R	R	--	98	98	--	R	--
<i>Klebsiella oxytoca</i>	290	R	72	95	19	94	100	92	94	99	92	100	100	100	100	96	96	96	98	91	92	92	100
<i>Haemophilus influenzae</i>	36	Beta-lactamase positive: 17%																					

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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.