

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, All 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) 70%	801	--	--	100	--	--	--	--	99	89	91	97	99	75	100	67	98	100	100	93	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 30%	342	--	--	0	--	--	--	--	98	35	36	82	95	73	100	20	100	100	100	91	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	761	--	--	56	--	--	--	--	95	75	76	92	76	65	100	52	100	100	100	85	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	34	62	--	--	94	68	71	67	--	--	100	--	56	91	--	55	--	--	100	79	--	--	100	63	100	100	
<i>Enterococcus faecalis</i>	1387	100	100	--	--	R	R	--	--	80	90	--	R	R	100	--	100	99	99	29	67	100	--	--	--	--	--
<i>Enterococcus faecium</i>	112	29	33	--	--	R	R	--	--	27	30	--	R	R	87	--	70	100	61	31	100	100	--	--	--	--	--
<i>Enterococcus spp.</i>	25	84	84	--	--	R	R	--	--	68	76	--	R	R	96	--	73	100	68	36	--	--	--	--	--	--	--

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.

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

% 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>	7980	60	66	98	76	93	100	93	94	97	93	100	100	100	100	93	94	87	87	79	98	78	100
<i>Klebsiella pneumoniae</i>	1604	R	86	99	89	94	100	94	94	96	94	100	99	100	100	97	97	96	98	89	47	85	99
<i>Proteus mirabilis</i>	861	84	90	100	76	98	100	97	98	99	97	100	--	100	100	91	92	78	86	82	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	238	R	R	89	R	84	100	82	100	R	87	99	66	100	100	100	100	98	99	98	25	95	100
<i>Enterobacter cloacae</i> complex	340	R	R	85	R	75	100	69	93	R	76	89	96	100	100	99	98	98	99	91	27	90	98
<i>Serratia marcescens</i>	101	R	R	85	R	77	99	77	100	R	84	98	--	100	100	100	93	92	98	98	R	13	100
<i>Pseudomonas aeruginosa</i>	744	R	R	97	R	97	100	R	97	R	88	R	86	94	98	91	99	92	92	R	--	R	--
<i>Acinetobacter baumannii</i>	10	R	90	--	R	90	--	80	90	R	R	R	90	90	100	100	90	90	90	90	--	90	--
<i>Citrobacter freundii</i> complex	248	R	R	92	R	80	100	75	98	R	80	100	98	100	100	97	97	96	98	88	97	87	100
<i>Morganella morganii</i>	114	R	11	97	R	80	100	83	100	83	91	100	20	100	100	84	98	82	86	75	R	R	0
<i>Providencia</i> spp.	75	R	39	97	R	84	95	99	99	99	85	99	85	100	100	53	53	69	72	84	R	R	0
<i>Salmonella</i> spp.	11	100	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	42	R	R	R	R	50	--	R	--	R	R	R	R	R	R	R	R	--	88	98	--	R	--
<i>Klebsiella oxytoca</i>	363	R	61	96	17	92	100	90	92	97	91	100	99	100	100	94	94	96	99	88	92	86	100
<i>Haemophilus influenzae</i>	68	Beta-lactamase positive: 28%																					

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) 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.