

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Other 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%	560	--	--	100	--	--	--	--	99	87	89	96	99	79	100	66	--	100	100	92	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 29%	226	--	--	0	--	--	--	--	98	43	46	77	96	72	98	18	--	100	100	89	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	118	--	--	69	--	--	--	--	97	81	83	94	81	71	100	54	--	100	100	87	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	18	65	--	--	82	82	88	76	--	--	100	--	71	79	--	53	--	--	100	71	--	--	100	58	100	100
<i>Enterococcus faecalis</i>	169	100	100	--	--	R	R	--	--	82	86	--	R	R	100	--	--	99	99	31	--	--	--	--	--	--
<i>Enterococcus faecium</i>	6	33	33	--	--	R	R	--	--	17	33	--	R	R	100	--	--	100	33	33	--	--	--	--	--	--
<i>Enterococcus spp.</i>	13	92	92	--	--	R	R	--	--	69	69	--	R	R	100	--	--	100	54	62	--	--	--	--	--	--

The % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism encountered on a given patient.

Other Isolates includes isolates from body sites other than urine and blood such as wound, tissue, genital, body fluid, and respiratory.

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, Other Isolates | January 2021 - December 2021

% Susceptible Gram Negative	Total*	Ampicillin	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>	108	57	67	98	71	94	100	94	95	95	94	100	100	100	99	97	96	74	74	82	--	79	100
<i>Klebsiella pneumoniae</i>	49	R	80	92	78	84	100	84	84	96	84	100	100	100	100	94	86	88	94	84	--	73	98
<i>Proteus mirabilis</i>	82	83	90	100	73	95	100	95	95	100	95	100	--	100	100	88	90	59	73	77	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	14	R	R	100	R	93	100	93	93	R	93	100	64	100	100	100	93	93	100	93	--	93	100
<i>Enterobacter cloacae</i> complex	45	R	R	98	R	91	100	80	98	R	93	98	100	100	100	100	98	96	98	98	--	89	98
<i>Serratia marcescens</i>	38	R	R	95	R	92	100	87	100	R	92	95	--	100	100	100	97	82	100	95	R	16	100
<i>Pseudomonas aeruginosa</i>	199	R	R	91	R	91	98	R	91	R	86	R	78	84	97	87	96	90	91	R	--	R	--
<i>Acinetobacter baumannii</i>	14	R	86	--	R	79	--	71	64	R	R	R	100	86	100	57	100	79	79	71	--	79	--
<i>Citrobacter freundii</i> complex	13	R	R	92	R	77	100	77	100	R	85	100	100	100	100	92	100	100	100	85	--	85	100
<i>Morganella morganii</i>	18	R	17	100	R	83	100	94	100	94	89	100	6	100	100	94	100	89	89	94	R	R	0
<i>Providencia</i> spp.	12	R	33	100	R	92	91	100	100	100	92	100	100	100	100	50	58	75	75	83	R	R	0
<i>Salmonella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	36	R	R	R	R	50	--	R	--	R	R	R	R	R	R	R	R	--	100	100	--	R	--
<i>Klebsiella oxytoca</i>	31	R	68	100	6	94	100	94	94	100	94	100	100	100	100	94	94	97	100	90	--	97	100
<i>Haemophilus influenzae</i>	34	Beta-lactamase positive: 18%																					

The % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism encountered on a given patient.

Other Isolates includes isolates from body sites other than urine and blood such as wound, tissue, genital, body fluid, and respiratory.

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.