

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Other 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)	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) 72%	628	--	--	100	--	--	--	--	99	88	90	97	99	79	100	69	--	100	100	95	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 28%	243	--	--	0	--	--	--	--	93	36	38	79	96	70	100	14	--	100	100	91	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	158	--	--	66	--	--	--	--	94	85	85	90	80	70	100	51	--	100	100	85	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	41	63	--	--	93	83	85	83	--	--	100	--	63	88	--	59	--	--	100	80	--	--	95	50	92	97
<i>Enterococcus faecalis</i>	138	100	100	--	--	R	R	--	--	84	91	--	R	R	99	--	--	100	98	25	86	86	--	--	--	--
<i>Enterococcus faecium</i>	9	33	33	--	--	R	R	--	--	33	33	--	R	R	89	--	--	100	44	56	--	--	--	--	--	--
<i>Enterococcus spp.</i>	11	91	100	--	--	R	R	--	--	100	100	--	R	R	100	--	--	100	55	45	--	--	--	--	--	--

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 2022 - December 2022

% 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>	102	65	67	98	75	92	100	92	92	98	92	100	100	100	100	91	92	86	87	81	--	75	100
<i>Klebsiella pneumoniae</i>	39	R	72	97	82	92	100	92	92	87	92	100	100	100	100	97	92	87	92	90	--	74	100
<i>Proteus mirabilis</i>	83	84	90	100	67	99	100	99	99	99	99	100	--	100	99	89	90	63	80	80	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	17	R	R	94	R	76	100	76	94	R	82	100	82	100	100	94	94	82	100	94	--	88	100
<i>Enterobacter cloacae</i> complex	38	R	R	87	R	84	100	82	95	R	87	97	100	100	100	100	100	97	97	92	--	92	97
<i>Serratia marcescens</i>	38	R	R	92	R	92	100	84	100	R	92	97	--	97	100	100	100	89	97	95	R	24	97
<i>Pseudomonas aeruginosa</i>	189	R	R	92	R	93	98	R	94	R	81	R	84	90	98	89	96	89	89	R	--	R	--
<i>Acinetobacter baumannii</i>	7	R	100	--	R	100	--	43	100	R	R	R	100	100	100	100	100	100	100	100	--	100	--
<i>Citrobacter freundii</i> complex	11	R	R	100	R	100	100	91	91	R	91	100	100	100	91	91	91	82	100	91	--	91	100
<i>Morganella morganii</i>	15	R	0	100	R	73	100	67	100	87	93	100	13	100	100	87	100	80	80	73	R	R	0
<i>Providencia</i> spp.	11	R	64	100	R	91	100	91	100	100	100	100	100	100	100	45	45	73	73	100	R	R	0
<i>Salmonella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	24	R	R	R	R	29	--	R	--	R	R	R	R	R	R	R	R	--	96	96	--	R	--
<i>Klebsiella oxytoca</i>	39	R	67	97	28	92	100	92	95	97	92	97	100	100	100	95	95	100	100	95	--	90	100
<i>Haemophilus influenzae</i>	64	Beta-lactamase positive: 27%																					

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.