

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Hospital/Surgical 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) 70%	106	--	--	100	--	--	--	--	99	85	89	96	99	82	100	64	100	100	100	95	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 30%	45	--	--	0	--	--	--	--	96	42	44	78	100	76	100	24	100	100	100	87	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	75	--	--	55	--	--	--	--	93	56	57	76	61	52	100	40	98	100	100	81	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	13	77	--	--	92	92	92	92	--	--	100	--	85	85	--	54	--	--	100	77	--	--	100	77	100	100
<i>Enterococcus faecalis</i>	110	100	100	--	--	R	R	--	--	77	81	--	R	R	100	--	98	100	100	37	33	33	--	--	--	--
<i>Enterococcus faecium</i>	3	33	33	--	--	R	R	--	--	33	33	--	R	R	100	--	100	100	67	67	--	--	--	--	--	--
<i>Enterococcus spp.</i>	6	83	83	--	--	R	R	--	--	50	50	--	R	R	100	--	100	100	50	83	--	--	--	--	--	--

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.

(33% of *E. faecalis* isolates (1 out of 3) from blood had high-level resistance to both gentamicin and streptomycin.)

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% 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>	524	67	70	98	79	96	100	96	97	97	96	100	100	100	100	95	97	83	84	85	98	82	100
<i>Klebsiella pneumoniae</i>	115	R	92	99	94	97	100	97	97	100	97	100	98	100	100	98	98	97	99	92	53	88	100
<i>Proteus mirabilis</i>	66	82	92	100	82	100	100	100	100	100	100	100	--	100	98	86	88	67	83	79	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	15	R	R	87	R	80	100	73	100	R	80	100	80	100	100	100	100	93	93	93	38	80	100
<i>Enterobacter cloacae</i> complex	30	R	R	90	R	80	100	70	100	R	77	97	93	100	100	97	97	100	100	93	6	93	100
<i>Serratia marcescens</i>	19	R	R	95	R	84	100	79	100	R	89	100	--	100	100	100	95	100	100	100	R	16	95
<i>Pseudomonas aeruginosa</i>	81	R	R	95	R	95	100	R	95	R	86	R	88	94	98	91	99	93	90	R	--	R	--
<i>Acinetobacter baumannii</i>	3	R	67	--	R	100	--	100	100	R	R	R	100	100	100	100	100	100	100	67	--	100	--
<i>Citrobacter freundii</i> complex	34	R	R	100	R	85	100	79	97	R	91	100	100	100	100	91	94	97	97	76	91	76	100
<i>Morganella morganii</i>	9	R	33	100	R	78	100	89	100	67	89	100	0	100	100	56	100	56	67	56	R	R	0
<i>Providencia</i> spp.	8	R	50	100	R	75	100	88	100	88	88	100	100	100	100	50	50	63	63	63	R	R	0
<i>Salmonella</i> spp.	1	100	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	10	R	R	R	R	70	--	R	--	R	R	R	R	R	R	R	R	--	100	100	--	R	--
<i>Klebsiella oxytoca</i>	34	R	76	100	18	97	100	97	97	97	97	100	100	100	100	97	97	97	97	94	96	88	97
<i>Haemophilus influenzae</i>	11	Beta-lactamase positive: 18%																					

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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.