

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Long-Term/Rehab/Hospice/Home Care, 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) 63%	95	--	--	100	--	--	--	--	100	72	76	91	99	74	100	63	100	100	100	97	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 37%	55	--	--	0	--	--	--	--	100	18	20	48	91	40	100	8	100	100	100	91	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	67	--	--	47	--	--	--	--	97	46	48	80	76	40	100	20	100	100	99	85	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Enterococcus faecalis</i>	271	100	100	--	--	R	R	--	--	68	71	--	R	R	100	--	100	100	97	22	0	100	--	--	--	--
<i>Enterococcus faecium</i>	49	31	35	--	--	R	R	--	--	29	29	--	R	R	92	--	52	100	57	37	--	--	--	--	--	--
<i>Enterococcus spp.</i>	9	56	56	--	--	R	R	--	--	56	56	--	R	R	100	--	83	100	78	0	--	--	--	--	--	--

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.

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% 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>	1039	58	63	98	67	92	100	92	93	93	92	100	100	100	100	93	93	75	76	81	96	79	100
<i>Klebsiella pneumoniae</i>	315	R	83	96	86	90	100	90	91	97	90	100	100	100	100	97	94	95	99	86	50	84	99
<i>Proteus mirabilis</i>	315	82	91	100	63	97	100	97	97	98	97	100	--	100	100	83	88	51	68	67	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	37	R	R	86	R	84	100	81	97	R	84	97	86	100	100	100	97	97	100	97	23	89	100
<i>Enterobacter cloacae</i> complex	80	R	R	78	R	69	100	60	95	R	69	90	98	100	100	99	96	93	98	91	30	79	95
<i>Serratia marcescens</i>	28	R	R	100	R	100	100	86	100	R	100	93	--	100	100	100	100	79	100	96	R	18	100
<i>Pseudomonas aeruginosa</i>	257	R	R	90	R	93	98	R	90	R	84	R	77	84	98	86	96	85	83	R	--	R	--
<i>Acinetobacter baumannii</i>	5	R	80	--	R	40	--	40	0	R	R	R	100	60	100	0	100	40	40	40	--	40	--
<i>Citrobacter freundii</i> complex	81	R	R	93	R	75	100	68	100	R	75	100	100	100	100	96	98	93	95	80	96	79	100
<i>Morganella morganii</i>	26	R	27	96	R	62	100	65	100	65	85	96	15	100	100	81	100	42	62	50	R	R	0
<i>Providencia</i> spp.	28	R	43	100	R	96	100	96	100	86	96	100	89	100	100	29	32	39	43	82	R	R	0
<i>Salmonella</i> spp.	2	100	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	17	R	R	R	R	53	--	R	--	R	R	R	R	R	R	R	R	--	100	100	--	R	--
<i>Klebsiella oxytoca</i>	68	R	62	93	16	88	100	85	88	100	87	100	99	100	100	96	94	96	99	88	90	93	100
<i>Haemophilus influenzae</i>	0	Beta-lactamase positive: --%																					

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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.