

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Long-Term/Rehab/Hospice/Home Care, All Isolates | January 2020 - December 2020

% 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) 54%	87	--	--	100	--	--	--	--	99	77	78	90	100	81	100	73	96	100	100	97	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 46%	74	--	--	0	--	--	--	--	99	18	18	58	91	53	100	21	100	100	100	85	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	49	--	--	35	--	--	--	--	92	41	43	50	67	50	100	0	96	100	100	78	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Enterococcus faecalis</i>	268	100	100	--	--	R	R	--	--	65	68	--	R	R	100	--	100	100	97	24	--	--	--	--	--	--	--
<i>Enterococcus faecium</i>	35	26	26	--	--	R	R	--	--	11	14	--	R	R	77	--	48	100	54	26	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	11	91	91	--	--	R	R	--	--	73	64	--	R	R	91	--	50	100	82	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.

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% Susceptible Negative	Gram	Total*	Ampicilin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefotaxime	Ceftazidime	Ceftazidime/Avibactam	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Imipenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin (1)	Tetracycline(2)	Tigecycline
<i>Escherichia coli</i>		995	58	64	98	73	71	91	100	91	91	95	91	100	100	100	100	93	92	ND	ND	78	96	76	100
<i>Klebsiella pneumoniae</i>		279	R	85	97	90	81	95	100	95	95	96	95	100	100	100	100	99	95	ND	ND	90	47	82	99
<i>Proteus mirabilis</i>		272	85	93	100	74	90	98	100	97	97	99	97	100	--	100	100	87	86	ND	ND	69	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>		32	R	R	94	R	60	91	100	94	100	R	94	100	85	100	100	100	100	ND	ND	100	31	91	97
<i>Enterobacter cloacae</i> complex		87	R	R	79	R	53	69	100	56	89	R	68	89	97	99	100	99	97	ND	ND	86	33	83	98
<i>Serratia marcescens</i>		17	R	R	100	R	100	94	100	71	100	R	94	94	--	94	100	100	100	ND	ND	94	R	12	94
<i>Pseudomonas aeruginosa</i>		236	R	R	92	R	R	89	98	R	87	R	76	R	80	83	98	85	97	ND	ND	R	--	R	--
<i>Acinetobacter baumannii</i>		6	R	100	--	R	0	67	--	67	67	R	R	R	100	100	100	100	83	50	50	100	--	67	--
<i>Citrobacter freundii</i> complex		53	R	R	96	R	86	89	100	81	100	R	91	100	100	100	100	94	94	ND	ND	83	96	77	100
<i>Morganella morganii</i>		22	R	18	100	R	80	86	100	86	100	82	95	100	29	100	100	68	91	ND	ND	59	R	R	0
<i>Providencia</i> spp.		36	R	36	100	R	100	92	100	100	100	100	94	100	100	100	100	42	42	ND	ND	86	R	R	0
<i>Salmonella</i> spp.		0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Shigella</i> spp.		0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>		18	R	R	R	R	R	56	--	R	--	R	R	R	R	R	R	R	R	--	94	94	--	R	--
<i>Klebsiella oxytoca</i>		66	R	68	95	21	92	98	98	94	98	100	94	100	98	100	98	98	97	ND	ND	95	95	94	100
<i>Haemophilus influenzae</i>		4	Beta-lactamase positive: 25%																						

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.

ND No data; unable to compile client and/or group-specific data. Please see PLS "All Clients, All Isolates" antibiogram.

-- 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.