

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report  
Long-Term/Rehab/Hospice/Home Care, All Isolates | January 2019 - December 2019

% 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) 51%	96	--	--	100	--	--	--	--	99	70	70	83	96	90	100	69	100	100	100	98	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 49%	93	--	--	0	--	--	--	--	99	16	17	48	92	49	99	10	100	100	100	90	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	69	--	--	35	--	--	--	--	93	43	43	100	78	75	100	25	100	100	100	84	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	4	75	--	--	100	100	100	75	--	--	100	--	75	ND	--	75	--	--	100	100	--	--	ND	ND	ND	ND
<i>Enterococcus faecalis</i>	309	100	100	--	--	R	R	--	--	63	65	--	R	R	100	--	100	99	96	23	100	100	--	--	--	--
<i>Enterococcus faecium</i>	37	16	19	--	--	R	R	--	--	5	14	--	R	R	86	--	67	100	27	24	100	100	--	--	--	--
<i>Enterococcus spp.</i>	15	60	67	--	--	R	R	--	--	40	47	--	R	R	100	--	100	100	80	47	--	--	--	--	--	--

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

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

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	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefuroxime	Cefotaxime	Ceftazidime	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin <sup>(1)</sup>	Tetracycline <sup>(2)</sup>
<i>Escherichia coli</i>	984	54	60	97	83	86	91	91	91	92	92	92	100	100	100	91	90	65	65	77	97	73
<i>Klebsiella pneumoniae</i>	292	R	83	98	86	86	93	93	93	93	93	93	99	100	100	96	93	92	95	86	57	82
<i>Proteus mirabilis</i>	266	80	88	100	84	95	97	97	97	97	99	97	100	100	99	85	86	41	57	71	R	R
<i>Enterobacter aerogenes</i>	30	R	R	93	R	R	93	87	90	100	R	93	100	100	100	97	97	100	100	100	17	90
<i>Enterobacter cloacae</i>	79	R	R	72	R	R	63	66	61	91	R	65	95	97	100	97	97	96	99	90	32	90
<i>Serratia marcescens</i>	38	R	R	97	R	R	95	100	97	100	R	100	100	100	100	100	100	89	97	100	R	32
<i>Pseudomonas aeruginosa</i>	247	R	R	96	R	R	R	91	R	86	R	76	R	90	96	79	93	74	73	R	--	R
<i>Acinetobacter baumannii</i>	7	R	71	--	R	R	29	29	29	29	R	R	R	57	86	86	86	29	43	43	--	43
<i>Citrobacter freundii</i>	45	R	R	96	R	R	89	84	87	100	R	87	100	100	98	100	98	100	100	87	88	80
<i>Morganella morganii</i>	34	R	6	97	R	R	82	74	88	97	65	97	100	100	100	76	94	44	47	50	R	R
<i>Providencia spp.</i>	31	R	52	100	R	65	100	100	100	100	97	100	100	100	100	26	26	48	55	84	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	14	R	R	R	R	R	R	57	R	--	R	R	R	R	R	R	R	--	86	100	--	R
<i>Klebsiella oxytoca</i>	74	R	65	96	45	91	96	96	92	96	99	92	100	100	100	96	96	91	96	95	95	92
<i>Haemophilus influenzae</i>	ND	Beta-lactamase positive: ND																				

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(2) For *A. baumannii*: tetracycline is reported for isolates from urine only.