

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
 % Susceptible | **Long-Term/Rehab/Hospice/Home Care, All Isolates**† | January 2016 - December 2016

Gram Positive	Total	Penicillin(8)	Ampicillin	Oxacillin(3)	Amoxicillin/Clavulanate	Cefotaxime(8)	Ceftriaxone(8)	Meropenem	Gentamicin	Ciprofloxacin(6)	Levofloxacin(6)	Moxifloxacin	Trimethoprim/Sulfa	Clindamycin(4)	Daptomycin(5)	Erythromycin(4)	Nitrofurantoin(1)	Linezolid(2)	Vancomycin	Tetracycline(6)	Gentamicin Synergy(7)	Streptomycin Synergy(7)	Penicillin (non-CSF)(8)	Penicillin V (oral)(8)	Cefotaxime (non-CSF)(8)	Ceftriaxone (non-CSF)(8)
<i>Staph. aureus</i> (MSSA) 41%	77	--	--	100	--	--	--	--	99	73	74	94	100	68	100	62	100	100	100	90	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 59%	109	--	--	0	--	--	--	--	95	12	13	50	99	50	100	18	100	100	100	95	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	62	--	--	30	--	--	--	--	80	23	23	56	58	56	100	33	100	100	100	82	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	4*	75	--	--	100	100	100	75	--	--	75	--	100	ND	--	0	--	--	100	100	--	--	ND	ND	ND	ND
<i>Enterococcus faecalis</i>	275	100	100	--	--	R	R	--	--	48	55	--	R	R	100	--	100	100	96	23	ND	ND	--	--	--	--
<i>Enterococcus faecium</i>	30	20	23	--	--	R	R	--	--	7	13	--	R	R	93	--	62	97	20	17	ND	ND	--	--	--	--
<i>Enterococcus spp.</i>	10*	60	60	--	--	R	R	--	--	50	50	--	R	R	100	--	88	100	80	30	ND	ND	--	--	--	--

† 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 are of questionable statistical significance. Interpret data with caution.

(1) Nitrofurantoin is reported for urine sources only.

(2) Linezolid is not indicated for urinary sources.

(3) Oxacillin predicts susceptibility to most cephalosporins, carbapenems, and beta-lactam/beta-lactamase inhibitors.

(4) For *Staphylococcus spp.*: clindamycin and erythromycin are reported for non-urine sources only.

(5) For *Staphylococcus spp.*: daptomycin is reported for non-respiratory sources only.

(6) For all *Enterococcus spp.*: ciprofloxacin, levofloxacin, and tetracycline are reported for urine sources only.

(7) For *E. faecalis* and *E. faecium*: gentamicin and streptomycin high-level resistance testing is reported in blood sources only.

(8) For *S. pneumoniae*: cefotaxime, ceftriaxone, and penicillin % susceptible listed is based on parenteral CSF (meningitis), parenteral non-CSF, and oral MIC breakpoints.

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 % Susceptible | **Long-Term/Rehab/Hospice/Home Care, All Isolates**† | January 2016 - December 2016

Gram Negative	Total	Ampicillin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefuroxime	Cefotaxime	Ceftazidime	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin(1)	Tetracycline(2)
<i>Escherichia coli</i>	767	51	56	98	84	87	95	94	95	96	90	95	100	100	99	90	89	62	62	74	97	74
<i>Klebsiella pneumoniae</i>	225	R	82	99	88	88	96	96	96	96	93	96	100	100	100	99	95	94	97	91	55	84
<i>Proteus mirabilis</i>	214	78	86	100	89	98	98	98	98	98	99	98	100	100	100	81	83	34	53	62	R	R
<i>Enterobacter aerogenes</i>	27*	R	R	93	R	R	93	85	85	100	R	89	96	96	100	100	100	93	100	100	43	96
<i>Enterobacter cloacae</i>	61	R	R	84	R	R	66	64	62	95	R	70	98	100	100	98	98	95	98	93	37	92
<i>Serratia marcescens</i>	18*	R	R	94	R	R	94	94	100	100	R	94	100	100	100	100	100	56	78	100	R	6
<i>Pseudomonas aeruginosa</i>	216	R	R	95	R	R	R	90	R	87	R	74	R	83	100	82	94	65	63	R	--	R
<i>Acinetobacter baumannii</i>	10*	R	60	--	R	R	30	50	40	60	R	R	R	70	90	50	60	30	30	50	--	40
<i>Citrobacter freundii</i>	55	R	R	96	R	R	91	87	87	100	R	91	100	100	100	95	91	96	96	82	98	84
<i>Morganella morganii</i>	28*	R	7	100	R	R	86	71	96	100	75	89	100	100	100	82	89	46	50	61	R	R
<i>Providencia spp.</i>	27*	R	22	100	R	70	100	100	100	100	78	100	100	100	100	48	37	22	33	70	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	16*	R	R	R	R	R	R	44	R	--	R	R	R	R	R	R	R	--	88	100	--	R
<i>Klebsiella oxytoca</i>	44	2	66	91	45	84	98	98	93	98	95	93	100	100	100	100	100	93	95	93	94	89
<i>Haemophilus influenzae</i>	ND	Beta-lactamase positive: ND																				

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