

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Long-Term/Rehab/Hospice/Home Care, All Isolates | January 2017 - December 2017

% Susceptible Gram Positive	Total*	Penicillin(2)	Ampicillin	Oxacillin(1)	Amoxicillin/Clavulanate	Cefotaxime(8)	Ceftriaxone(8)	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) 48%	82	--	--	100	--	--	--	--	96	68	71	91	100	71	100	63	100	100	100	99	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 52%	90	--	--	0	--	--	--	--	97	12	14	50	96	45	100	18	100	100	100	90	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	71	--	--	35	--	--	--	--	80	23	23	40	61	40	100	40	100	100	100	80	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	4	33	--	--	67	67	67	67	--	--	100	--	0	ND	--	0	--	--	100	33	--	--	ND	ND	ND	ND
<i>Enterococcus faecalis</i>	253	100	100	--	--	R	R	--	--	43	51	--	R	R	100	--	100	100	95	17	ND	ND	--	--	--	--
<i>Enterococcus faecium</i>	33	18	21	--	--	R	R	--	--	3	9	--	R	R	94	--	64	100	33	24	ND	ND	--	--	--	--
<i>Enterococcus spp.</i>	11	64	73	--	--	R	R	--	--	64	55	--	R	R	100	--	80	100	73	36	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 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.

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Long-Term/Rehab/Hospice/Home Care, All Isolates | January 2017 - December 2017

% Susceptible 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>	836	53	61	97	82	83	91	91	91	92	92	92	100	100	99	91	90	63	63	77	97	76
<i>Klebsiella pneumoniae</i>	269	R	88	98	91	91	96	96	96	96	93	96	100	100	100	97	96	94	97	92	67	88
<i>Proteus mirabilis</i>	249	80	87	100	85	99	100	100	100	100	98	100	100	100	100	85	87	35	54	69	R	R
<i>Enterobacter aerogenes</i>	25	R	R	92	R	R	88	80	84	100	R	92	100	100	100	100	100	100	100	96	29	92
<i>Enterobacter cloacae</i>	58	R	R	83	R	R	67	76	69	97	R	76	100	100	100	98	100	97	98	93	23	84
<i>Serratia marcescens</i>	20	R	R	90	R	R	85	100	95	100	R	100	100	100	100	100	95	70	85	100	R	5
<i>Pseudomonas aeruginosa</i>	204	R	R	96	R	R	R	91	R	85	R	76	R	87	99	87	97	76	71	R	--	R
<i>Acinetobacter baumannii</i>	12	R	92	--	R	R	42	50	42	75	R	R	R	58	100	67	75	25	25	42	--	42
<i>Citrobacter freundii</i>	63	R	R	92	R	R	83	84	81	98	R	90	100	100	100	89	86	90	92	79	95	81
<i>Morganella morganii</i>	26	R	15	100	R	R	85	73	96	100	77	100	100	100	100	92	96	38	38	54	R	R
<i>Providencia</i> spp.	16	R	56	100	0	81	100	94	100	100	100	94	100	100	100	19	19	38	44	94	R	R
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	8	R	R	R	R	R	R	88	R	--	R	R	R	R	R	R	R	--	88	100	--	R
<i>Klebsiella oxytoca</i>	46	4	61	89	37	83	91	91	87	91	93	87	100	100	100	98	93	91	91	93	92	91
<i>Haemophilus influenzae</i>	ND	Beta-lactamase positive: 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 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.