

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report  
 % Susceptible | All Clients, 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) 63%	1014	--	--	100	--	--	--	--	99	85	87	97	100	81	100	68	100	100	100	95	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 37%	599	--	--	0	--	--	--	--	98	32	34	78	99	71	100	15	100	100	100	95	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	844	--	--	55	--	--	--	--	92	63	64	84	73	72	100	54	99	100	100	87	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	56	64	--	--	95	87	87	83	--	--	96	--	60	91	--	43	--	--	100	78	--	--	100	58	96	95
<i>Enterococcus faecalis</i>	1057	100	100	--	--	R	R	--	--	67	73	--	R	R	100	--	100	100	98	27	100	100	--	--	--	--
<i>Enterococcus faecium</i>	82	33	34	--	--	R	R	--	--	22	28	--	R	R	91	--	58	96	40	29	--	--	--	--	--	--
<i>Enterococcus spp.</i>	43	84	86	--	--	R	R	--	--	70	70	--	R	R	98	--	86	100	88	49	--	--	--	--	--	--

† 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.

(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.

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report  
 % Susceptible | All Clients, 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>	6005	58	62	98	88	91	96	95	95	96	95	96	100	100	100	93	93	79	79	78	98	77
<i>Klebsiella pneumoniae</i>	1209	R	87	99	96	98	98	98	98	98	95	98	100	100	100	99	98	97	99	91	56	86
<i>Proteus mirabilis</i>	588	84	90	100	92	99	99	99	99	99	98	99	100	100	100	86	87	55	67	73	R	R
<i>Enterobacter aerogenes</i>	147	R	R	93	R	R	91	89	90	100	R	93	99	99	100	100	100	96	98	99	18	94
<i>Enterobacter cloacae</i>	292	R	R	92	R	R	82	85	82	98	R	86	100	100	100	99	99	96	98	92	31	93
<i>Serratia marcescens</i>	105	R	R	93	R	R	92	95	98	99	R	95	98	100	100	100	93	89	95	100	R	13
<i>Pseudomonas aeruginosa</i>	629	R	R	98	R	R	R	92	R	92	R	81	R	92	99	86	96	75	73	R	--	R
<i>Acinetobacter baumannii</i>	36	R	78	--	R	R	31	69	50	78	R	R	R	89	94	81	83	67	67	72	--	69
<i>Citrobacter freundii</i>	242	R	R	98	R	R	92	89	90	100	R	91	100	100	100	97	98	97	97	86	96	83
<i>Morganella morganii</i>	93	R	10	99	R	R	90	87	98	100	81	90	100	100	100	83	91	60	69	68	R	R
<i>Providencia spp.</i>	82	R	38	98	R	76	98	93	99	99	89	95	100	100	100	67	62	60	63	83	R	R
<i>Shigella spp.</i>	15*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	13	--	--
<i>Stenotrophomonas</i>	56	R	R	R	R	R	R	48	R	--	R	R	R	R	R	R	R	--	86	100	--	R
<i>Klebsiella oxytoca</i>	274	6	68	96	48	91	96	96	95	96	98	95	100	100	100	99	99	97	98	93	93	91
<i>Haemophilus influenzae</i>	59	Beta-lactamase positive: 34%																				

† 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.

\* Antibigrams 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) For *A. baumannii*: tetracycline is reported for urine sources only.