

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
 % Susceptible | **All Clients, Other 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) 64%	890	--	--	100	--	--	--	--	99	87	89	97	100	81	100	68	--	100	100	95	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 36%	502	--	--	0	--	--	--	--	98	37	40	78	99	71	100	15	--	100	100	95	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	237	--	--	67	--	--	--	--	95	83	84	88	78	73	100	55	--	100	100	89	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	48	63	--	--	96	90	88	83	--	--	96	--	58	92	--	40	--	--	100	79	--	--	100	52	96	94
<i>Enterococcus faecalis</i>	228	100	100	--	--	R	R	--	--	72	79	--	R	R	100	--	--	100	97	26	--	--	--	--	--	--
<i>Enterococcus faecium</i>	17*	47	53	--	--	R	R	--	--	35	47	--	R	R	76	--	--	94	41	41	--	--	--	--	--	--
<i>Enterococcus spp.</i>	15*	80	80	--	--	R	R	--	--	80	80	--	R	R	93	--	--	100	80	67	--	--	--	--	--	--

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

"Other Isolates" includes isolates from body sites other than urine and blood such as wound, tissue, genital, body fluid, stool, and respiratory.

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) 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, Other 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>	164	51	55	97	79	85	92	91	91	93	90	93	100	100	99	90	90	73	73	73	--	71
<i>Klebsiella pneumoniae</i>	59	R	75	98	80	80	95	95	95	95	86	95	100	100	100	97	93	90	95	90	--	75
<i>Proteus mirabilis</i>	62	76	82	100	92	100	100	100	100	100	98	100	100	100	100	76	79	52	55	66	R	R
<i>Enterobacter aerogenes</i>	17*	R	R	94	R	R	88	82	82	100	R	88	94	94	100	100	100	82	94	100	--	94
<i>Enterobacter cloacae</i>	80	R	R	99	R	R	94	95	93	99	R	93	100	100	100	98	98	98	98	95	--	96
<i>Serratia marcescens</i>	62	R	R	97	R	R	97	97	98	100	R	97	100	100	100	100	94	84	94	100	R	19
<i>Pseudomonas aeruginosa</i>	263	R	R	98	R	R	R	93	R	91	R	80	R	90	98	87	94	77	75	R	--	R
<i>Acinetobacter baumannii</i>	28*	R	89	--	R	R	36	82	57	82	R	R	R	89	96	86	86	75	75	79	--	79
<i>Citrobacter freundii</i>	22*	R	R	100	R	R	95	91	95	100	R	91	100	100	100	100	95	95	95	91	--	77
<i>Morganella morganii</i>	17*	R	12	100	R	R	94	94	100	100	R	82	100	100	100	88	94	65	76	76	R	R
<i>Providencia spp.</i>	11*	R	55	100	R	82	100	100	100	100	100	100	100	100	100	100	100	100	100	100	R	R
<i>Shigella spp.</i>	15*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	13	--	--
<i>Stenotrophomonas</i>	39	R	R	R	R	R	R	38	R	--	R	R	R	R	R	R	R	--	87	100	--	R
<i>Klebsiella oxytoca</i>	64	16	77	98	47	95	98	98	98	98	97	98	100	100	100	97	97	97	98	92	--	88
<i>Haemophilus influenzae</i>	57	Beta-lactamase positive: 33%																				

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

"Other Isolates" includes isolates from body sites other than urine and blood such as wound, tissue, genital, body fluid, stool, and respiratory.

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