

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
 % Susceptible | **All Clients, Urine 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) 56%	118	--	--	100	--	--	--	--	98	69	69	--	100	--	100	--	100	100	100	96	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 44%	92	--	--	0	--	--	--	--	97	4	4	--	98	--	100	--	100	100	100	97	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	575	--	--	51	--	--	--	--	91	57	57	--	71	--	100	--	99	100	100	87	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	1*	100	--	--	100	100	100	--	--	--	100	--	100	--	--	--	--	--	100	100	--	--	100	100	100	100	100
<i>Enterococcus faecalis</i>	828	100	100	--	--	R	R	--	--	65	71	--	R	R	100	--	100	100	98	27	--	--	--	--	--	--	--
<i>Enterococcus faecium</i>	66	29	29	--	--	R	R	--	--	18	23	--	R	R	95	--	58	97	39	26	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	28*	86	89	--	--	R	R	--	--	64	64	--	R	R	100	--	86	100	93	39	--	--	--	--	--	--	--

† 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.

* 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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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>	5836	58	62	98	88	92	96	95	95	96	95	96	100	100	100	93	93	79	79	78	98	78
<i>Klebsiella pneumoniae</i>	1146	R	87	99	94	94	98	98	98	98	96	98	100	100	100	99	98	97	99	92	56	87
<i>Proteus mirabilis</i>	530	84	90	100	92	99	99	99	99	99	98	99	100	100	100	87	88	55	67	73	R	R
<i>Enterobacter aerogenes</i>	131	R	R	92	R	R	92	90	92	100	R	94	100	100	100	100	100	97	98	99	18	93
<i>Enterobacter cloacae</i>	210	R	R	90	R	R	78	81	79	98	R	83	100	100	100	99	100	96	99	91	31	92
<i>Serratia marcescens</i>	41	R	R	88	R	R	85	93	98	98	R	93	95	100	100	100	93	95	98	100	R	5
<i>Pseudomonas aeruginosa</i>	371	R	R	98	R	R	R	96	R	92	R	82	R	92	99	86	96	72	70	R	--	R
<i>Acinetobacter baumannii</i>	8*	R	38	--	R	R	13	25	25	63	R	R	R	88	88	63	75	38	38	50	--	38
<i>Citrobacter freundii</i>	220	R	R	98	R	R	92	89	89	100	R	91	100	100	100	97	98	97	97	86	96	84
<i>Morganella morganii</i>	76	R	9	99	R	R	89	86	97	100	79	92	100	100	100	82	91	59	67	66	R	R
<i>Providencia spp.</i>	71	R	35	97	R	75	97	92	99	99	87	94	100	100	100	62	56	54	58	80	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	17*	R	R	R	R	R	R	71	R	--	R	R	R	R	R	R	R	--	82	100	--	R
<i>Klebsiella oxytoca</i>	211	3	65	95	48	90	95	95	93	95	98	93	100	100	100	100	99	97	98	93	93	92
<i>Haemophilus influenzae</i>	2*	Beta-lactamase positive: 50%																				

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(1) Nitrofurantoin is reported for urine sources only.

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