

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
 % Susceptible | All Clients, All Isolates† | January 2015 - December 2015

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) 59%	950	--	--	100	--	--	--	--	99	86	88	96	100	78	100	64	98	100	100	94	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 41%	650	--	--	0	--	--	--	--	99	34	36	80	99	72	100	10	99	100	100	94	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	820	--	--	52	--	--	--	--	91	62	63	83	73	71	100	50	100	100	100	87	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	62	57	--	--	89	82	82	77	--	--	100	--	70	90	--	51	--	--	100	84	--	--	91	57	88	93
<i>Enterococcus faecalis</i>	1188	100	100	--	--	R	R	--	--	65	71	--	R	R	100	--	100	99	97	24	40	70	--	--	--	--
<i>Enterococcus faecium</i>	91	33	33	--	--	R	R	--	--	19	24	--	R	R	97	--	48	99	45	25	100	100	--	--	--	--
<i>Enterococcus spp.</i>	25*	92	92	--	--	R	R	--	--	68	76	--	R	R	100	--	83	100	88	56	--	--	--	--	--	--

† 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 blood sources: 14% of *E. faecalis* isolates had high-level resistance to both gentamicin and streptomycin.

(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>	5861	60	64	98	88	92	95	95	95	96	95	96	100	100	100	93	93	80	80	79	98	78
<i>Klebsiella pneumoniae</i>	1211	R	87	98	93	93	97	97	97	97	96	97	100	100	100	98	98	97	99	93	55	88
<i>Proteus mirabilis</i>	660	80	86	100	91	98	99	99	99	99	99	99	100	100	99	86	89	54	65	74	R	R
<i>Enterobacter aerogenes</i>	150	R	R	95	R	R	93	92	94	100	R	94	99	99	99	99	99	95	97	99	22	92
<i>Enterobacter cloacae</i>	297	R	R	88	R	R	79	81	80	98	R	82	100	100	100	99	99	97	97	93	33	88
<i>Serratia marcescens</i>	77	R	R	94	R	R	94	95	95	99	R	94	100	100	99	97	97	91	99	99	R	18
<i>Pseudomonas aeruginosa</i>	655	R	R	98	R	R	R	94	R	90	R	80	R	91	98	86	95	77	75	R	--	R
<i>Acinetobacter baumannii</i>	26*	R	85	--	R	R	50	73	65	81	R	R	R	88	88	69	69	69	73	65	--	65
<i>Citrobacter freundii</i>	262	R	R	97	R	R	90	89	88	100	R	92	100	100	100	96	97	94	96	89	95	88
<i>Morganella morganii</i>	88	R	14	99	R	R	86	86	98	100	83	97	100	100	100	75	95	56	65	59	R	R
<i>Providencia spp.</i>	60	R	35	100	R	78	97	87	97	98	92	95	95	100	100	73	68	45	48	82	R	R
<i>Shigella spp.</i>	6*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	50	--	--
<i>Stenotrophomonas spp.</i>	36	R	R	R	R	R	R	81	R	--	R	R	R	R	R	R	R	--	89	100	--	R
<i>Klebsiella oxytoca</i>	225	4	67	93	47	88	96	96	93	96	98	93	100	100	100	97	98	96	96	94	95	92
<i>Haemophilus influenzae</i>	64	Beta-lactamase positive: 41%																				

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R Organism has intrinsic resistance to this antimicrobial.

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(1) Nitrofurantoin is reported for urine sources only.

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