

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Other 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) 65%	885	--	--	100	--	--	--	--	98	89	90	97	100	80	100	66	--	100	100	95	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 35%	469	--	--	0	--	--	--	--	99	37	38	77	99	74	100	14	--	100	100	93	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	266	--	--	63	--	--	--	--	97	82	83	87	80	65	100	49	--	100	100	86	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	43	63	--	--	93	79	79	77	--	--	98	--	60	81	--	44	--	--	100	72	--	--	95	65	95	98
<i>Enterococcus faecalis</i>	210	100	100	--	--	R	R	--	--	79	84	--	R	R	100	--	--	99	99	28	--	--	--	--	--	--
<i>Enterococcus faecium</i>	12	25	25	--	--	R	R	--	--	8	17	--	R	R	92	--	--	100	25	17	--	--	--	--	--	--
<i>Enterococcus spp.</i>	13	92	92	--	--	R	R	--	--	85	85	--	R	R	100	--	--	100	92	31	--	--	--	--	--	--

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 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.

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% 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>	148	51	53	95	78	84	89	89	89	89	95	89	100	100	99	91	88	71	71	74	--	71
<i>Klebsiella pneumoniae</i>	64	R	77	97	75	75	89	89	89	89	81	89	100	100	100	95	88	83	92	88	--	81
<i>Proteus mirabilis</i>	84	81	88	100	90	99	100	100	100	100	100	100	100	100	100	82	86	58	67	75	R	R
<i>Enterobacter aerogenes</i>	25	R	R	88	R	R	80	76	80	100	R	84	100	100	100	100	100	96	96	100	--	92
<i>Enterobacter cloacae</i>	57	R	R	96	R	R	93	96	95	98	R	96	100	100	100	100	100	100	100	96	--	93
<i>Serratia marcescens</i>	57	R	R	89	R	R	91	96	96	100	R	96	100	100	100	100	91	86	91	100	R	18
<i>Pseudomonas aeruginosa</i>	238	R	R	95	R	R	R	94	R	90	R	84	R	92	99	89	97	82	79	R	--	R
<i>Acinetobacter baumannii</i>	27	R	78	--	R	R	33	78	41	89	R	R	R	85	96	74	78	70	74	70	--	70
<i>Citrobacter freundii</i>	23	R	R	100	R	R	83	83	83	100	R	96	100	100	100	100	87	91	91	91	--	87
<i>Morganella morganii</i>	25	R	0	100	R	R	88	88	96	100	80	88	100	100	100	96	96	76	80	76	R	R
<i>Providencia spp.</i>	11	R	55	91	R	73	100	91	100	100	100	91	100	100	100	82	82	82	82	100	R	R
<i>Shigella spp.</i>	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	0	--	--
<i>Stenotrophomonas</i>	32	R	R	R	R	R	R	56	R	--	R	R	R	R	R	R	R	--	84	94	--	R
<i>Klebsiella oxytoca</i>	54	13	76	96	57	94	100	100	96	100	100	96	100	100	100	100	98	100	100	96	--	96
<i>Haemophilus influenzae</i>	69	Beta-lactamase positive: 23%																				

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(1) Nitrofurantoin is reported for isolates from urine only.

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