

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, All 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) 64%	1005	--	--	100	--	--	--	--	98	86	88	97	99	80	100	66	100	100	100	95	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 36%	564	--	--	0	--	--	--	--	99	31	33	77	99	73	99	14	100	100	100	93	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	895	--	--	53	--	--	--	--	93	62	63	85	73	65	100	49	100	100	100	87	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	55	63	--	--	94	83	83	81	--	--	98	--	65	81	--	50	--	--	100	74	--	--	96	64	96	98
<i>Enterococcus faecalis</i>	1071	100	100	--	--	R	R	--	--	66	73	--	R	R	100	--	100	100	98	24	83	83	--	--	--	--
<i>Enterococcus faecium</i>	95	38	42	--	--	R	R	--	--	20	24	--	R	R	93	--	60	100	53	31	100	100	--	--	--	--
<i>Enterococcus spp.</i>	43	81	84	--	--	R	R	--	--	63	63	--	R	R	100	--	87	100	86	40	--	--	--	--	--	--

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. 14% of *E. faecalis* isolates were resistant to both gentamicin and streptomycin at high-levels.

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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>	6108	58	63	98	88	91	94	94	94	95	95	95	100	100	100	93	93	78	79	78	98	77
<i>Klebsiella pneumoniae</i>	1295	R	87	99	92	92	97	97	97	97	95	97	100	100	100	98	98	97	98	91	61	88
<i>Proteus mirabilis</i>	683	84	89	100	89	99	99	99	99	99	98	99	100	100	100	89	90	58	71	79	R	R
<i>Enterobacter aerogenes</i>	159	R	R	94	R	R	89	89	89	99	R	94	100	100	100	100	100	97	98	97	32	92
<i>Enterobacter cloacae</i>	272	R	R	89	R	R	80	83	80	97	R	83	100	100	100	100	100	95	97	91	29	89
<i>Serratia marcescens</i>	101	R	R	92	R	R	90	95	97	99	R	94	100	100	100	99	89	85	89	97	R	16
<i>Pseudomonas aeruginosa</i>	666	R	R	98	R	R	R	96	R	92	R	84	R	94	99	86	95	80	79	R	--	R
<i>Acinetobacter baumannii</i>	35	R	83	--	R	R	37	74	46	86	R	R	R	86	97	80	83	63	66	69	--	66
<i>Citrobacter freundii</i>	278	R	R	94	R	R	85	85	84	99	R	87	100	100	100	94	93	94	96	89	95	88
<i>Morganella morganii</i>	95	R	8	98	R	R	88	84	97	100	80	94	99	100	99	86	93	62	65	65	R	R
<i>Providencia spp.</i>	58	R	45	97	R	76	98	88	100	100	97	93	100	100	100	48	48	59	60	93	R	R
<i>Shigella spp.</i>	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	0	--	--
<i>Stenotrophomonas</i>	50	R	R	R	R	R	R	60	R	--	R	R	R	R	R	R	R	--	82	96	--	R
<i>Klebsiella oxytoca</i>	249	6	68	95	45	88	94	94	94	96	96	94	100	100	100	98	97	95	96	94	94	92
<i>Haemophilus influenzae</i>	70	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.