

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, All Isolates | January 2018 - December 2018

% Susceptible Gram Positive	Total*	Penicillin(2)	Ampicillin	Oxacillin(1)	Amoxicillin/Clavulanate	Cefotaxime(2)	Ceftriaxone(2)	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) 66%	1030	--	--	100	--	--	--	--	99	86	88	97	99	78	100	67	100	100	100	93	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 34%	528	--	--	0	--	--	--	--	97	31	33	73	98	69	100	17	99	100	100	92	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	805	--	--	52	--	--	--	--	94	63	64	88	76	68	100	51	100	100	100	89	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	37	76	--	--	97	97	95	97	--	--	100	--	78	86	--	54	--	--	100	81	--	--	97	76	97	97
<i>Enterococcus faecalis</i>	1108	100	100	--	--	R	R	--	--	71	79	--	R	R	100	--	100	100	97	26	100	100	--	--	--	--
<i>Enterococcus faecium</i>	57	25	25	--	--	R	R	--	--	21	25	--	R	R	93	--	71	98	49	26	--	--	--	--	--	--
<i>Enterococcus spp.</i>	37	70	70	--	--	R	R	--	--	73	76	--	R	R	97	--	91	100	68	35	--	--	--	--	--	--

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>	6125	59	63	98	88	90	94	94	94	95	94	94	100	100	100	92	92	79	79	78	98	77
<i>Klebsiella pneumoniae</i>	1309	R	87	98	91	91	97	97	97	97	95	97	100	100	100	97	97	96	98	90	58	85
<i>Proteus mirabilis</i>	647	85	91	100	91	98	99	99	99	99	99	99	100	100	100	89	91	62	72	79	R	R
<i>Enterobacter aerogenes</i>	180	R	R	93	R	R	90	88	89	100	R	95	99	100	99	99	100	99	99	98	23	91
<i>Enterobacter cloacae</i>	282	R	R	89	R	R	79	81	79	98	R	82	100	100	100	99	99	96	98	91	24	88
<i>Serratia marcescens</i>	96	R	R	95	R	R	97	97	99	99	R	95	100	100	100	100	93	93	97	97	R	17
<i>Pseudomonas aeruginosa</i>	662	R	R	98	R	R	R	95	R	94	R	87	R	93	99	89	97	81	79	R	--	R
<i>Acinetobacter baumannii</i>	28	R	93	--	R	R	50	86	71	86	R	R	R	93	96	93	96	79	82	89	--	86
<i>Citrobacter freundii</i>	166	R	R	95	R	R	86	84	85	99	R	86	100	100	100	97	96	91	95	87	93	85
<i>Morganella morganii</i>	99	R	12	99	R	R	95	93	98	99	75	93	100	100	100	82	93	60	67	65	R	R
<i>Providencia spp.</i>	69	R	41	99	R	61	99	86	100	100	94	96	97	100	99	51	51	57	59	87	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	46	R	R	R	R	R	R	41	R	--	R	R	R	R	R	R	R	--	89	98	--	R
<i>Klebsiella oxytoca</i>	272	6	70	94	44	90	96	96	95	96	97	94	100	100	100	99	99	97	98	96	96	96
<i>Haemophilus influenzae</i>	60	Beta-lactamase positive: 35%																				

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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.