

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Hospital/Surgical 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) 60%	148	--	--	100	--	--	--	--	98	86	88	95	100	77	100	65	100	100	100	93	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 40%	100	--	--	0	--	--	--	--	96	26	28	71	98	65	100	16	100	100	100	93	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	86	--	--	43	--	--	--	--	88	57	57	78	67	63	100	43	100	100	100	92	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	23	86	--	--	95	95	95	95	--	--	100	--	86	ND	--	48	--	--	100	81	--	--	ND	ND	ND	ND
<i>Enterococcus faecalis</i>	115	100	100	--	--	R	R	--	--	58	66	--	R	R	100	--	98	99	93	22	ND	ND	--	--	--	--
<i>Enterococcus faecium</i>	3	0	0	--	--	R	R	--	--	0	0	--	R	R	67	--	67	100	0	33	ND	ND	--	--	--	--
<i>Enterococcus spp.</i>	11	82	82	--	--	R	R	--	--	73	73	--	R	R	100	--	100	100	64	27	ND	ND	--	--	--	--

The % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism encountered on a given patient.

ND No data; unable to compile client group-specific data. Please see individual client antibiogram and/or PLS "All Clients, All Isolates" antibiogram.

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>	526	59	62	98	87	89	93	93	93	94	92	94	100	100	100	90	90	74	75	77	96	76
<i>Klebsiella pneumoniae</i>	129	R	81	98	89	88	92	92	92	92	95	92	99	100	100	92	92	91	98	88	59	85
<i>Proteus mirabilis</i>	68	84	90	100	91	97	97	97	97	97	96	97	100	100	100	90	93	57	69	79	R	R
<i>Enterobacter aerogenes</i>	19	R	R	95	R	R	95	89	95	100	R	95	100	100	100	100	100	100	100	100	21	100
<i>Enterobacter cloacae</i>	28	R	R	89	R	R	71	75	75	93	R	75	100	100	100	96	96	93	96	89	35	89
<i>Serratia marcescens</i>	14	R	R	100	R	R	100	100	100	100	R	93	100	100	100	100	100	93	100	93	R	14
<i>Pseudomonas aeruginosa</i>	95	R	R	100	R	R	R	99	R	97	R	85	R	97	99	89	97	82	83	R	--	R
<i>Acinetobacter baumannii</i>	4	R	75	--	R	R	75	100	100	75	R	R	R	100	100	75	100	75	75	75	--	75
<i>Citrobacter freundii</i>	21	R	R	100	R	R	76	71	76	100	R	76	100	100	100	100	100	86	95	90	88	76
<i>Morganella morganii</i>	13	R	0	100	R	R	100	100	100	100	77	92	100	100	100	77	92	69	69	62	R	R
<i>Providencia spp.</i>	10	R	50	100	R	80	100	80	100	100	100	90	100	100	100	50	50	60	60	60	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	6	R	R	R	R	R	R	50	R	--	R	R	R	R	R	R	R	--	67	100	--	R
<i>Klebsiella oxytoca</i>	25	4	76	96	36	88	92	92	92	92	88	92	100	100	100	96	96	100	100	96	100	92
<i>Haemophilus influenzae</i>	ND	Beta-lactamase positive: ND																				

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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.