

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Hospital/Surgical 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) 61%	146	--	--	100	--	--	--	--	99	84	88	98	100	82	100	67	100	100	100	97	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 39%	95	--	--	0	--	--	--	--	100	31	32	76	100	71	100	10	100	100	100	94	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	104	--	--	39	--	--	--	--	91	50	50	73	60	71	100	39	100	100	100	83	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	28	61	--	--	96	86	89	86	--	--	100	--	68	ND	--	61	--	--	100	75	--	--	ND	ND	ND	ND
<i>Enterococcus faecalis</i>	113	100	100	--	--	R	R	--	--	66	72	--	R	R	100	--	100	100	98	23	ND	ND	--	--	--	--
<i>Enterococcus faecium</i>	20	45	45	--	--	R	R	--	--	30	30	--	R	R	90	--	59	100	55	45	ND	ND	--	--	--	--
<i>Enterococcus spp.</i>	7	86	86	--	--	R	R	--	--	57	57	--	R	R	100	--	100	100	71	29	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*	Ampicilin	Ampicillin/Sulbactam	Piperacilin/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>	535	62	64	98	87	90	96	95	95	96	92	96	100	100	99	94	94	79	79	79	97	74
<i>Klebsiella pneumoniae</i>	116	R	88	99	86	86	96	96	96	96	92	96	100	100	100	97	95	95	97	90	62	86
<i>Proteus mirabilis</i>	57	84	89	100	91	98	98	98	98	98	96	98	100	100	100	88	88	42	67	77	R	R
<i>Enterobacter aerogenes</i>	13	R	R	100	R	R	100	100	100	100	R	100	100	100	100	100	100	100	100	100	20	92
<i>Enterobacter cloacae</i>	27	R	R	89	R	R	78	78	78	93	R	78	100	100	100	100	100	100	100	100	44	93
<i>Serratia marcescens</i>	16	R	R	94	R	R	100	100	100	100	R	100	100	100	100	100	94	94	94	100	R	0
<i>Pseudomonas aeruginosa</i>	101	R	R	97	R	R	R	98	R	94	R	90	R	97	100	89	94	85	85	R	--	R
<i>Acinetobacter baumannii</i>	8	R	63	--	R	R	25	88	38	88	R	R	R	100	88	88	88	88	100	75	--	88
<i>Citrobacter freundii</i>	30	R	R	93	R	R	80	80	80	100	R	80	100	100	100	93	90	97	97	93	88	87
<i>Morganella morganii</i>	14	R	7	100	R	R	93	93	100	100	93	100	100	100	100	71	79	57	50	50	R	R
<i>Providencia spp.</i>	6	R	17	83	R	83	100	83	100	100	100	83	100	100	100	50	50	67	67	100	R	R
<i>Shigella spp.</i>	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	0	--	--
<i>Stenotrophomonas</i>	13	R	R	R	R	R	R	54	R	--	R	R	R	R	R	R	R	--	85	92	--	R
<i>Klebsiella oxytoca</i>	28	14	71	96	50	86	96	96	96	96	96	96	100	100	100	100	96	100	100	96	95	96
<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.