

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Family Practice/Specialist Offices, 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) 69%	612	--	--	100	--	--	--	--	99	88	90	99	99	80	100	69	100	100	100	93	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 31%	270	--	--	0	--	--	--	--	97	39	41	82	98	82	99	17	97	100	100	94	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	573	--	--	53	--	--	--	--	95	66	67	92	77	71	100	53	100	100	100	88	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	9	63	--	--	100	100	100	100	--	--	100	--	63	ND	--	50	--	--	100	75	--	--	ND	ND	ND	ND
<i>Enterococcus faecalis</i>	577	100	100	--	--	R	R	--	--	80	90	--	R	R	99	--	100	100	99	29	ND	ND	--	--	--	--
<i>Enterococcus faecium</i>	20	35	35	--	--	R	R	--	--	35	40	--	R	R	95	--	69	100	75	30	ND	ND	--	--	--	--
<i>Enterococcus spp.</i>	14	79	79	--	--	R	R	--	--	71	79	--	R	R	100	--	90	100	71	36	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>	4198	60	64	98	89	92	95	95	95	96	96	96	100	100	100	92	93	83	83	78	98	77
<i>Klebsiella pneumoniae</i>	758	R	86	98	92	92	97	98	97	97	95	98	100	100	100	98	98	97	99	89	57	84
<i>Proteus mirabilis</i>	232	92	96	100	97	100	100	100	100	100	100	100	100	100	100	95	97	87	89	88	R	R
<i>Enterobacter aerogenes</i>	109	R	R	95	R	R	93	93	94	100	R	97	99	100	100	99	100	100	100	96	22	92
<i>Enterobacter cloacae</i>	161	R	R	92	R	R	84	86	84	99	R	86	99	100	100	99	99	98	98	94	25	89
<i>Serratia marcescens</i>	43	R	R	95	R	R	98	98	100	100	R	95	100	100	100	100	88	98	98	98	R	9
<i>Pseudomonas aeruginosa</i>	254	R	R	99	R	R	R	97	R	96	R	89	R	98	99	91	98	89	87	R	--	R
<i>Acinetobacter baumannii</i>	13	R	100	--	R	R	69	100	85	100	R	R	R	100	100	100	100	92	100	100	--	100
<i>Citrobacter freundii</i>	92	R	R	93	R	R	89	88	88	99	R	89	100	100	100	96	95	90	95	84	93	87
<i>Morganella morganii</i>	41	R	7	100	R	R	98	98	98	98	80	93	100	100	100	90	95	76	80	71	R	R
<i>Providencia spp.</i>	23	R	52	96	R	65	100	83	100	100	96	96	100	100	100	74	74	83	87	96	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	19	R	R	R	R	R	R	53	R	--	R	R	R	R	R	R	R	--	89	95	--	R
<i>Klebsiella oxytoca</i>	155	7	70	93	48	90	96	96	95	96	99	94	100	100	100	100	99	99	99	97	94	98
<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.