

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Family Practice/Specialist Offices, All Isolates | January 2019 - December 2019

% 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) 71%	626	--	--	100	--	--	--	--	99	87	89	97	99	81	100	67	100	100	100	96	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 29%	252	--	--	0	--	--	--	--	97	38	41	81	98	77	100	20	100	100	100	93	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	613	--	--	61	--	--	--	--	97	71	72	91	79	76	100	57	100	100	100	91	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	18	44	--	--	89	83	83	82	--	--	100	--	50	ND	--	35	--	--	100	67	--	--	ND	ND	ND	ND
<i>Enterococcus faecalis</i>	615	100	100	--	--	R	R	--	--	84	90	--	R	R	100	--	100	100	100	27	100	100	--	--	--	--
<i>Enterococcus faecium</i>	40	50	50	--	--	R	R	--	--	35	38	--	R	R	88	--	69	100	60	43	--	--	--	--	--	--
<i>Enterococcus spp.</i>	21	95	95	--	--	R	R	--	--	71	76	--	R	R	100	--	93	100	71	62	--	--	--	--	--	--

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>	4836	60	63	98	88	92	95	95	95	95	96	95	100	100	100	93	93	83	83	77	98	77
<i>Klebsiella pneumoniae</i>	868	R	86	98	92	92	97	97	97	97	95	97	100	100	100	97	97	96	98	88	56	85
<i>Proteus mirabilis</i>	292	85	92	100	92	99	99	99	99	99	98	99	100	100	100	92	94	79	86	83	R	R
<i>Enterobacter aerogenes</i>	141	R	R	97	R	R	91	91	91	98	R	96	100	100	100	100	100	97	99	94	21	90
<i>Enterobacter cloacae</i>	193	R	R	90	R	R	84	86	85	100	R	85	99	100	100	99	99	96	96	91	23	91
<i>Serratia marcescens</i>	57	R	R	82	R	R	89	88	95	100	R	88	100	100	100	100	96	95	95	98	R	7
<i>Pseudomonas aeruginosa</i>	313	R	R	99	R	R	R	97	R	94	R	87	R	97	98	88	99	85	83	R	--	R
<i>Acinetobacter baumannii</i>	14	R	100	--	R	R	79	100	86	93	R	R	R	100	93	93	100	93	93	100	--	93
<i>Citrobacter freundii</i>	100	R	R	93	R	R	90	90	89	99	R	91	100	100	99	98	97	98	98	89	92	89
<i>Morganella morganii</i>	44	R	14	98	R	R	91	91	98	98	82	86	100	100	98	89	93	77	82	73	R	R
<i>Providencia spp.</i>	24	R	54	100	R	58	96	88	96	96	100	83	100	100	100	79	79	79	79	92	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	20	R	R	R	R	R	R	65	R	--	R	R	R	R	R	R	R	--	95	100	--	R
<i>Klebsiella oxytoca</i>	195	R	64	93	39	87	94	94	92	94	97	92	100	100	99	96	95	95	97	90	91	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.