

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Family Practice/Specialist Offices, All Isolates | January 2020 - December 2020

% 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%	488	--	--	100	--	--	--	--	98	89	91	99	100	78	100	66	100	100	100	94	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 29%	195	--	--	0	--	--	--	--	97	39	43	89	98	77	100	16	100	100	100	94	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	544	--	--	58	--	--	--	--	94	72	74	93	79	76	100	58	100	100	100	86	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	8	33	--	--	83	50	50	40	--	--	100	--	33	100	--	20	--	--	100	83	--	--	100	33	100	100
<i>Enterococcus faecalis</i>	582	100	100	--	--	R	R	--	--	85	90	--	R	R	100	--	100	99	99	29	100	100	--	--	--	--
<i>Enterococcus faecium</i>	28	57	61	--	--	R	R	--	--	36	54	--	R	R	86	--	42	96	79	43	--	--	--	--	--	--
<i>Enterococcus spp.</i>	15	93	93	--	--	R	R	--	--	67	67	--	R	R	100	--	90	100	80	40	--	--	--	--	--	--

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 Negative	Gram	Total*	Ampicilin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefotaxime	Ceftazidime	Ceftazidime/Avibactam	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Imipenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin (1)	Tetracycline(2)	Tigecycline
<i>Escherichia coli</i>		4429	61	65	98	78	82	95	100	95	96	96	95	100	100	100	100	94	94	ND	ND	80	98	80	100
<i>Klebsiella pneumoniae</i>		810	R	88	99	91	83	96	100	96	96	95	95	100	100	100	100	98	97	ND	ND	89	43	85	99
<i>Proteus mirabilis</i>		300	90	92	100	84	95	99	100	98	99	99	99	100	--	100	100	97	97	ND	ND	92	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>		126	R	R	94	R	100	89	99	89	100	R	90	99	87	100	100	100	99	ND	ND	99	18	96	99
<i>Enterobacter cloacae</i> complex		146	R	R	90	R	75	85	100	75	96	R	81	95	92	99	100	99	99	ND	ND	92	21	88	97
<i>Serratia marcescens</i>		53	R	R	83	R	85	79	100	89	100	R	87	98	--	98	100	98	98	ND	ND	92	R	6	100
<i>Pseudomonas aeruginosa</i>		287	R	R	97	R	R	96	99	R	95	R	86	R	90	96	99	91	99	ND	ND	R	--	R	--
<i>Acinetobacter baumannii</i>		15	R	73	--	R	50	93	--	73	80	R	R	R	100	93	100	93	100	87	87	60	--	87	--
<i>Citrobacter freundii</i> complex		145	R	R	98	R	100	88	100	83	99	R	88	100	99	100	100	97	96	ND	ND	85	92	81	100
<i>Morganella morganii</i>		41	R	2	93	R	100	93	100	90	95	88	93	98	10	98	100	88	95	ND	ND	83	R	R	0
<i>Providencia</i> spp.		23	R	70	100	R	100	78	94	100	100	100	91	100	87	100	100	87	91	ND	ND	87	R	R	0
<i>Salmonella</i> spp.		3	100	--	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	ND	ND	100	--	--	--
<i>Shigella</i> spp.		1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	0	--	--	--
<i>Stenotrophomonas</i>		17	R	R	R	R	R	53	--	R	--	R	R	R	R	R	R	R	R	--	88	100	--	R	--
<i>Klebsiella oxytoca</i>		167	R	69	95	19	73	94	100	91	93	98	92	100	99	100	99	95	93	ND	ND	89	92	89	100
<i>Haemophilus influenzae</i>		19	Beta-lactamase positive: 26%																						

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.

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

-- Not tested/indicated for organism.

* Antibiograms created for organisms with less than 30 total isolates have questionable statistical significance. Interpret data with caution.

(1) Nitrofurantoin is reported for isolates from urine only.

(2) For *A. baumannii*: tetracycline is reported for isolates from urine only.