

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Family Practice/Specialist Offices, All Isolates | January 2021 - December 2021

% 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) 73%	482	--	--	100	--	--	--	--	99	89	90	97	99	80	100	67	99	100	100	91	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 27%	178	--	--	0	--	--	--	--	98	46	49	85	97	79	98	19	100	100	100	92	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	623	--	--	59	--	--	--	--	95	70	71	95	75	76	100	58	100	100	100	88	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	11	55	--	--	82	82	91	67	--	--	100	--	64	78	--	56	--	--	100	73	--	--	100	55	100	100	
<i>Enterococcus faecalis</i>	687	100	100	--	--	R	R	--	--	86	91	--	R	R	100	--	100	100	100	32	100	100	--	--	--	--	--
<i>Enterococcus faecium</i>	38	53	55	--	--	R	R	--	--	32	37	--	R	R	92	--	46	100	73	61	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	16	88	88	--	--	R	R	--	--	88	88	--	R	R	100	--	91	100	69	44	--	--	--	--	--	--	--

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.

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Family Practice/Specialist Offices, All Isolates | January 2021 - December 2021

% Susceptible Gram Negative	Total*	Ampicilin	Ampicilin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Ceftazidime	Ceftazidime/Avibactam	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Imipenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin(3)	Levofloxacin(3)	Trimethoprim/Sulfa	Nitrofurantoin(1)	Tetracycline(2)	Tigecycline
<i>Escherichia coli</i>	5143	62	66	98	76	94	100	94	96	96	95	100	100	100	100	94	95	87	87	82	98	81	100
<i>Klebsiella pneumoniae</i>	882	R	88	98	92	97	100	97	97	97	97	100	100	100	100	99	99	97	98	93	44	84	99
<i>Proteus mirabilis</i>	356	91	96	100	86	99	100	99	99	99	99	100	--	100	100	97	97	86	91	87	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	138	R	R	90	R	86	100	84	99	R	86	99	78	100	100	99	99	98	99	97	21	94	100
<i>Enterobacter cloacae</i> complex	200	R	R	87	R	80	100	71	98	R	80	91	98	100	100	99	99	98	99	90	38	86	99
<i>Serratia marcescens</i>	52	R	R	88	R	71	96	85	100	R	75	98	--	98	100	98	96	87	98	90	R	6	100
<i>Pseudomonas aeruginosa</i>	339	R	R	97	R	97	99	R	97	R	89	R	82	94	98	90	98	88	87	R	--	R	--
<i>Acinetobacter baumannii</i>	10	R	100	--	R	100	--	90	100	R	R	R	100	100	100	90	100	100	100	100	--	100	--
<i>Citrobacter freundii</i> complex	150	R	R	92	R	76	100	73	99	R	77	99	99	100	100	98	97	95	96	89	95	83	100
<i>Morganella morganii</i>	40	R	10	100	R	88	100	88	100	85	88	100	3	100	100	90	98	88	95	85	R	R	0
<i>Providencia</i> spp.	32	R	59	100	R	81	97	100	100	100	94	100	73	100	100	91	91	91	94	100	R	R	0
<i>Salmonella</i> spp.	2	100	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	22	R	R	R	R	50	--	R	--	R	R	R	R	R	R	R	R	--	95	95	--	R	--
<i>Klebsiella oxytoca</i>	188	R	74	95	21	96	100	93	96	98	93	100	100	100	100	96	97	95	98	91	92	92	100
<i>Haemophilus influenzae</i>	24	Beta-lactamase positive: 13%																					

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.

* Antibigrams 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.

(3) Ciprofloxacin/Levofloxacin: Enterobacterales & *P. aeruginosa* %Susceptible utilizes CLSI M100 28th Edition breakpoints.