

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, 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) 68%	689	--	--	100	--	--	--	--	98	86	89	97	100	79	100	66	99	100	100	95	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 32%	326	--	--	0	--	--	--	--	98	34	36	83	96	69	100	17	100	100	100	90	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	656	--	--	56	--	--	--	--	94	70	71	92	77	70	100	53	99	100	100	85	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	19	53	--	--	94	65	65	63	--	--	100	--	59	100	--	50	--	--	100	88	--	--	94	53	100	100	
<i>Enterococcus faecalis</i>	948	100	100	--	--	R	R	--	--	78	82	--	R	R	100	--	100	99	98	27	100	100	--	--	--	--	
<i>Enterococcus faecium</i>	71	39	42	--	--	R	R	--	--	24	34	--	R	R	83	--	46	99	66	34	--	--	--	--	--	--	
<i>Enterococcus spp.</i>	30	93	93	--	--	R	R	--	--	70	67	--	R	R	97	--	75	100	83	40	100	100	--	--	--	--	

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 Gram Negative	Total*	Ampicilin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefotaxime	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>	5903	61	65	98	77	79	94	100	94	95	96	94	100	100	100	100	94	94	82	83	80	98	79	100
<i>Klebsiella pneumoniae</i>	1191	R	87	98	91	83	96	100	96	96	95	95	100	100	100	100	98	96	96	98	89	44	84	99
<i>Proteus mirabilis</i>	640	87	92	100	79	93	99	100	98	98	99	98	100	--	100	100	92	92	66	77	81	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>	171	R	R	95	R	94	90	99	91	100	R	91	99	86	100	100	100	99	98	98	99	22	95	99
<i>Enterobacter cloacae</i> complex	256	R	R	86	R	71	79	100	69	94	R	77	93	94	99	100	99	98	96	98	90	24	87	97
<i>Serratia marcescens</i>	81	R	R	88	R	89	84	100	86	100	R	89	98	--	98	100	99	98	89	100	94	R	10	99
<i>Pseudomonas aeruginosa</i>	595	R	R	95	R	R	94	99	R	92	R	83	R	85	90	99	88	98	84	84	R	--	R	--
<i>Acinetobacter baumannii</i>	23	R	83	--	R	40	87	--	74	78	R	R	R	100	96	100	96	96	78	78	74	--	83	--
<i>Citrobacter freundii</i> complex	227	R	R	98	R	94	88	100	84	99	R	89	100	99	100	100	95	96	94	96	84	93	81	100
<i>Morganella morganii</i>	76	R	7	96	R	94	88	100	88	97	84	92	99	14	99	100	79	92	74	78	72	R	R	0
<i>Providencia</i> spp.	68	R	46	100	R	100	87	98	100	100	99	93	99	88	100	100	57	59	57	59	87	R	R	0
<i>Salmonella</i> spp.	3	100	--	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	100	100	100	--	--	--
<i>Shigella</i> spp.	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	0	--	--	--
<i>Stenotrophomonas</i>	39	R	R	R	R	R	56	--	R	--	R	R	R	R	R	R	R	R	--	92	97	--	R	--
<i>Klebsiella oxytoca</i>	264	R	70	96	19	77	95	100	92	95	98	93	100	99	100	99	96	94	96	98	91	92	91	100
<i>Haemophilus influenzae</i>	26	Beta-lactamase positive: 30%																						

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R Organism has intrinsic resistance to this antimicrobial.

ND No data.

-- Not tested/indicated for organism.

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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.

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