

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Other 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) 67%	567	--	--	100	--	--	--	--	98	88	90	97	100	78	100	66	--	100	100	94	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 33%	276	--	--	0	--	--	--	--	97	38	41	82	96	69	100	17	--	100	100	90	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	117	--	--	72	--	--	--	--	94	84	85	91	83	73	100	56	--	100	100	82	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	13	45	--	--	91	55	55	55	--	--	100	--	55	100	--	45	--	--	100	91	--	--	100	45	100	100	
<i>Enterococcus faecalis</i>	149	100	100	--	--	R	R	--	--	85	86	--	R	R	99	--	--	99	98	24	--	--	--	--	--	--	--
<i>Enterococcus faecium</i>	12	25	33	--	--	R	R	--	--	17	33	--	R	R	83	--	--	100	50	17	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	9	100	100	--	--	R	R	--	--	67	67	--	R	R	100	--	--	100	56	56	--	--	--	--	--	--	--

The % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism encountered on a given patient.

Other Isolates includes isolates from body sites other than urine and blood such as wound, tissue, genital, body fluid, and respiratory.

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) 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>		108	60	63	96	71	83	94	100	94	96	93	95	100	100	100	100	94	94	ND	ND	83	--	81	100
<i>Klebsiella pneumoniae</i>		41	R	76	95	78	69	88	100	90	88	95	90	100	100	100	100	98	95	ND	ND	85	--	85	95
<i>Proteus mirabilis</i>		83	84	88	100	73	72	94	99	94	94	99	94	100	--	100	100	84	86	ND	ND	78	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>		12	R	R	83	R	100	83	100	83	100	R	83	100	91	100	100	100	100	ND	ND	100	--	92	100
<i>Enterobacter cloacae</i> complex		56	R	R	89	R	80	84	100	70	93	R	82	98	95	98	100	100	96	ND	ND	96	--	89	98
<i>Serratia marcescens</i>		30	R	R	97	R	100	97	100	87	100	R	100	97	--	97	100	100	100	ND	ND	97	R	17	97
<i>Pseudomonas aeruginosa</i>		197	R	R	92	R	R	88	98	R	89	R	77	R	84	86	97	87	98	ND	ND	R	--	R	--
<i>Acinetobacter baumannii</i>		17	R	88	--	R	50	82	--	76	71	R	R	R	100	100	100	94	94	76	76	82	--	76	--
<i>Citrobacter freundii</i> complex		16	R	R	100	R	100	81	100	88	100	R	88	94	100	100	100	94	94	ND	ND	88	--	81	100
<i>Morganella morganii</i>		21	R	10	100	R	100	100	100	100	100	86	95	100	12	100	100	71	100	ND	ND	67	R	R	0
<i>Providencia</i> spp.		8	R	63	100	R	--	100	100	100	100	100	100	100	100	100	100	63	63	ND	ND	88	R	R	0
<i>Salmonella</i> spp.		0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Shigella</i> spp.		1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	0	--	--	--
<i>Stenotrophomonas</i>		22	R	R	R	R	R	50	--	R	--	R	R	R	R	R	R	R	R	--	95	95	--	R	--
<i>Klebsiella oxytoca</i>		30	R	80	97	23	100	100	100	97	100	100	97	100	100	100	100	100	100	ND	ND	100	--	100	100
<i>Haemophilus influenzae</i>		23	Beta-lactamase positive: 28%																						

The % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism encountered on a given patient.

Other Isolates includes isolates from body sites other than urine and blood such as wound, tissue, genital, body fluid, and respiratory.

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.