

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Urine 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%	112	--	--	100	--	--	--	--	99	77	79	--	99	--	100	--	99	100	100	96	--	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 29%	46	--	--	0	--	--	--	--	98	9	9	--	96	--	100	--	100	100	100	93	--	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	523	--	--	53	--	--	--	--	94	66	68	--	76	--	100	--	99	100	100	85	--	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	1	100	--	--	100	100	100	--	--	--	100	--	100	--	--	--	--	--	100	100	--	--	100	100	100	100	100
<i>Enterococcus faecalis</i>	802	100	100	--	--	R	R	--	--	77	82	--	R	R	100	--	100	99	99	28	--	--	--	--	--	--	--
<i>Enterococcus faecium</i>	60	42	43	--	--	R	R	--	--	25	33	--	R	R	83	--	47	98	68	37	--	--	--	--	--	--	--
<i>Enterococcus spp.</i>	20	90	90	--	--	R	R	--	--	70	65	--	R	R	95	--	75	100	95	30	--	--	--	--	--	--	--

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>		5787	61	65	98	77	79	94	100	94	95	96	94	100	100	100	100	94	94	ND	ND	80	98	79	100	
<i>Klebsiella pneumoniae</i>		1142	R	88	98	91	84	96	100	96	96	95	96	100	100	100	100	98	97	ND	ND	89	44	84	99	
<i>Proteus mirabilis</i>		558	87	93	100	79	97	99	100	99	99	99	99	100	--	100	100	93	93	ND	ND	81	R	R	--	
<i>Klebsiella (Enterobacter) aerogenes</i>		158	R	R	96	R	97	91	99	92	100	R	92	99	86	100	100	100	99	ND	ND	99	22	96	99	
<i>Enterobacter cloacae</i> complex		201	R	R	85	R	68	78	100	69	94	R	75	91	93	99	100	99	99	ND	ND	88	24	86	97	
<i>Serratia marcescens</i>		51	R	R	82	R	82	76	100	84	100	R	82	98	--	98	100	98	96	ND	ND	92	R	6	100	
<i>Pseudomonas aeruginosa</i>		401	R	R	97	R	R	96	99	R	94	R	85	R	85	92	99	88	97	ND	ND	R	--	R	--	
<i>Acinetobacter baumannii</i>		6	R	67	--	R	0	100	--	67	100	R	R	R	100	83	100	100	100	83	83	50	--	100	--	
<i>Citrobacter freundii</i> complex		210	R	R	98	R	93	89	100	83	99	R	89	100	99	100	100	95	96	ND	ND	84	93	81	100	
<i>Morganella morganii</i>		56	R	5	95	R	92	84	100	84	96	84	91	98	14	98	100	80	89	ND	ND	73	R	R	0	
<i>Providencia</i> spp.		60	R	43	100	R	100	85	98	100	100	98	92	98	88	100	100	57	58	ND	ND	87	R	R	0	
<i>Salmonella</i> spp.		3	100	--	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	ND	ND	100	--	--	--	
<i>Shigella</i> spp.		0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
<i>Stenotrophomonas</i>		17	R	R	R	R	R	65	--	R	--	R	R	R	R	R	R	R	R	--	88	100	--	R	--	
<i>Klebsiella oxytoca</i>		231	R	68	96	19	76	95	99	92	95	98	93	100	99	100	99	96	94	ND	ND	90	92	90	100	
<i>Haemophilus influenzae</i>		1	Beta-lactamase positive: 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.

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.