

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Urine Isolates | January 2019 - December 2019

% 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)
Staph. aureus (MSSA) %	114	--	--	100	--	--	--	--	100	73	75	--	99	--	100	--	100	100	100	94	--	--	--	--	--	--
Staph. aureus (MRSA) %	70	--	--	0	--	--	--	--	94	10	11	--	97	--	100	--	100	100	100	93	--	--	--	--	--	--
Staph. spp. (coagulase-negative)	605	--	--	55	--	--	--	--	96	64	65	--	78	--	100	--	100	100	100	90	--	--	--	--	--	--
Strep. pneumoniae	1	100	--	--	100	100	100	--	--	--	100	--	100	--	--	--	--	--	100	100	--	--	100	100	100	
Enterococcus faecalis	864	100	100	--	--	R	R	--	--	76	81	--	R	R	100	--	100	100	98	26	--	--	--	--	--	
Enterococcus faecium	72	38	39	--	--	R	R	--	--	22	28	--	R	R	89	--	71	100	47	35	--	--	--	--	--	
Enterococcus spp.	26	81	85	--	--	R	R	--	--	54	58	--	R	R	100	--	92	100	81	42	--	--	--	--	--	

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	Cefuroxime	Cefotaxime	Ceftazidime	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin ⁽¹⁾	Tetracycline ⁽²⁾
<i>Escherichia coli</i>	6237	59	63	98	88	91	94	94	94	95	95	95	100	100	100	92	92	80	80	77	98	77
<i>Klebsiella pneumoniae</i>	1227	R	86	98	91	91	96	96	96	97	94	97	100	100	100	97	97	96	97	88	56	85
<i>Proteus mirabilis</i>	566	83	91	100	89	98	98	98	98	99	99	98	100	100	99	89	90	62	72	77	R	R
<i>Enterobacter aerogenes</i>	161	R	R	96	R	R	92	89	91	99	R	96	100	100	100	99	99	98	99	96	20	91
<i>Enterobacter cloacae</i>	216	R	R	82	R	R	75	77	75	97	R	77	98	100	100	99	99	96	97	90	26	90
<i>Serratia marcescens</i>	55	R	R	87	R	R	89	93	95	100	R	95	100	100	100	100	96	96	95	98	R	7
<i>Pseudomonas aeruginosa</i>	412	R	R	98	R	R	95	R	92	R	83	R	95	98	84	97	79	78	R	--	R	
<i>Acinetobacter baumannii</i>	8	R	100	--	R	R	88	88	88	75	R	R	R	88	88	88	100	75	75	88	--	88
<i>Citrobacter freundii</i>	140	R	R	94	R	R	90	89	89	99	R	90	100	100	99	99	97	99	99	86	91	85
<i>Morganella morganii</i>	75	R	13	97	R	R	87	84	93	97	73	89	100	100	99	81	92	61	67	61	R	R
<i>Providencia</i> spp.	54	R	54	98	R	65	98	96	98	98	98	94	100	100	100	50	52	61	65	85	R	R
<i>Shigella</i> spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
<i>Stenotrophomonas</i>	10	R	R	R	R	R	R	90	R	--	R	R	R	R	R	R	--	100	100	--	R	
<i>Klebsiella oxytoca</i>	266	R	65	94	40	87	95	95	92	95	98	92	100	100	100	97	95	94	97	92	93	92
<i>Haemophilus influenzae</i>	1	Beta-lactamase positive: 0%																				

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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.