

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
All Clients, Urine Isolates | January 2017 - December 2017

% Susceptible Gram Positive	Total*	Penicillin(2)	Ampicillin	Oxacillin(1)	Amoxicillin/Clavulanate	Cefotaxime(8)	Ceftriaxone(8)	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) 55%	112	--	--	100	--	--	--	--	96	66	69	--	98	--	100	--	100	100	100	96	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 45%	92	--	--	0	--	--	--	--	97	4	5	--	97	--	100	--	100	100	100	91	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	605	--	--	50	--	--	--	--	92	54	55	--	71	--	100	--	100	100	100	88	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Enterococcus faecalis</i>	862	100	100	--	--	R	R	--	--	63	70	--	R	R	100	--	100	100	98	23	--	--	--	--	--	--
<i>Enterococcus faecium</i>	83	40	45	--	--	R	R	--	--	22	25	--	R	R	94	--	60	100	55	33	--	--	--	--	--	--
<i>Enterococcus spp.</i>	30	77	80	--	--	R	R	--	--	53	53	--	R	R	100	--	87	100	83	43	--	--	--	--	--	--

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*	Ampicillin	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>	5958	58	63	98	88	91	95	95	95	95	95	95	100	100	100	93	93	79	79	78	98	77
<i>Klebsiella pneumoniae</i>	1226	R	88	99	96	93	98	98	98	98	95	98	100	100	100	98	98	97	99	91	62	89
<i>Proteus mirabilis</i>	601	84	89	100	88	99	99	99	99	99	97	99	100	100	100	90	91	58	71	79	R	R
<i>Enterobacter aerogenes</i>	134	R	R	96	R	R	93	92	93	99	R	96	100	100	100	100	100	98	99	97	32	93
<i>Enterobacter cloacae</i>	213	R	R	86	R	R	76	79	76	97	R	80	100	100	100	100	100	94	97	89	29	88
<i>Serratia marcescens</i>	43	R	R	95	R	R	88	93	98	98	R	91	100	100	100	98	86	84	86	93	R	14
<i>Pseudomonas aeruginosa</i>	428	R	R	99	R	R	R	97	R	93	R	84	R	95	99	83	94	79	78	R	--	R
<i>Acinetobacter baumannii</i>	8	R	100	--	R	R	50	63	63	75	R	R	R	88	100	100	100	38	38	63	--	50
<i>Citrobacter freundii</i>	255	R	R	93	R	R	85	85	84	99	R	86	100	100	100	94	94	95	97	89	95	88
<i>Morganella morganii</i>	70	R	11	97	R	R	89	83	97	100	80	96	99	100	99	83	91	57	60	61	R	R
<i>Providencia spp.</i>	48	R	42	98	R	75	98	85	100	100	96	94	100	100	100	40	40	52	54	92	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	18	R	R	R	R	R	R	72	R	--	R	R	R	R	R	R	R	--	72	100	--	R
<i>Klebsiella oxytoca</i>	194	4	66	94	42	86	94	94	93	94	95	93	100	100	100	97	96	94	95	93	94	91
<i>Haemophilus influenzae</i>	0	Beta-lactamase positive: --%																				

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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.