

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report  
All Clients, Urine Isolates | January 2018 - December 2018

% 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) 60%	124	--	--	100	--	--	--	--	100	59	65	--	99	--	98	--	100	100	100	94	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 40%	81	--	--	0	--	--	--	--	93	6	7	--	99	--	100	--	99	100	100	94	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	570	--	--	49	--	--	--	--	95	57	58	--	74	--	100	--	100	100	100	90	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Enterococcus faecalis</i>	875	100	100	--	--	R	R	--	--	69	77	--	R	R	100	--	100	100	97	26	--	--	--	--	--	--
<i>Enterococcus faecium</i>	46	20	20	--	--	R	R	--	--	15	15	--	R	R	91	--	72	98	52	22	--	--	--	--	--	--
<i>Enterococcus spp.</i>	23	65	65	--	--	R	R	--	--	61	65	--	R	R	100	--	91	100	65	35	--	--	--	--	--	--

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>	5977	59	63	98	88	90	94	94	94	95	95	95	100	100	100	92	92	79	79	78	98	77
<i>Klebsiella pneumoniae</i>	1247	R	87	98	91	91	97	97	97	97	95	97	100	100	100	97	97	96	98	90	58	85
<i>Proteus mirabilis</i>	563	84	90	100	90	98	99	99	99	99	99	99	100	100	100	90	91	64	73	80	R	R
<i>Enterobacter aerogenes</i>	163	R	R	93	R	R	91	88	90	100	R	96	99	100	100	99	100	99	99	98	23	91
<i>Enterobacter cloacae</i>	215	R	R	87	R	R	75	77	77	98	R	79	100	100	100	98	98	96	98	90	24	86
<i>Serratia marcescens</i>	46	R	R	96	R	R	98	98	100	100	R	96	100	100	100	100	91	98	98	98	R	9
<i>Pseudomonas aeruginosa</i>	417	R	R	98	R	R	R	95	R	94	R	87	R	94	99	89	97	81	79	R	--	R
<i>Acinetobacter baumannii</i>	2	R	100	--	R	R	100	100	100	100	R	R	R	100	100	100	100	50	100	100	--	100
<i>Citrobacter freundii</i>	153	R	R	94	R	R	85	83	84	99	R	86	100	100	100	97	95	91	95	87	93	86
<i>Morganella morganii</i>	68	R	16	99	R	R	93	91	97	99	76	91	100	100	100	84	96	57	65	62	R	R
<i>Providencia spp.</i>	51	R	33	98	R	55	98	84	100	100	96	94	96	100	100	47	47	49	53	86	R	R
<i>Shigella spp.</i>	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>	17	R	R	R	R	R	R	35	R	--	R	R	R	R	R	R	R	--	88	94	--	R
<i>Klebsiella oxytoca</i>	229	5	69	94	42	90	96	96	95	96	97	94	100	100	100	100	99	97	98	96	96	96
<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.