

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report  
All Clients, All 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)
<i>Staph. aureus</i> (MSSA) 67%	845	--	--	100	--	--	--	--	99	85	87	95	99	82	100	67	100	100	100	96	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 33%	415	--	--	0	--	--	--	--	97	33	35	73	97	70	100	18	100	100	100	92	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	753	--	--	57	--	--	--	--	96	67	68	86	78	74	100	57	100	100	100	90	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	52	58	--	--	96	90	88	80	--	--	100	--	60	82	--	39	--	--	100	75	--	--	98	57	100	100
<i>Enterococcus faecalis</i>	1040	100	100	--	--	R	R	--	--	77	82	--	R	R	100	--	100	100	98	27	100	100	--	--	--	--
<i>Enterococcus faecium</i>	86	35	36	--	--	R	R	--	--	22	27	--	R	R	87	--	71	100	44	31	100	100	--	--	--	--
<i>Enterococcus spp.</i>	39	82	85	--	--	R	R	--	--	62	67	--	R	R	100	--	92	100	77	56	100	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.

-- 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 <sup>(1)</sup>	Tetracycline <sup>(2)</sup>
<i>Escherichia coli</i>	6338	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>	1295	R	86	98	91	91	96	96	96	96	94	96	100	100	100	97	96	95	97	88	56	84
<i>Proteus mirabilis</i>	638	83	90	100	88	97	98	98	98	98	98	98	100	100	100	89	90	61	72	77	R	R
<i>Enterobacter aerogenes</i>	180	R	R	96	R	R	91	89	90	98	R	96	100	100	100	99	99	98	99	96	20	91
<i>Enterobacter cloacae</i>	290	R	R	85	R	R	79	81	79	98	R	80	98	99	100	99	99	97	97	91	26	90
<i>Serratia marcescens</i>	106	R	R	89	R	R	92	93	96	100	R	93	100	100	100	100	98	93	96	99	R	15
<i>Pseudomonas aeruginosa</i>	638	R	R	97	R	R	R	94	R	91	R	83	R	94	97	85	96	80	79	R	--	R
<i>Acinetobacter baumannii</i>	27	R	93	--	R	R	63	81	70	74	R	R	R	89	93	89	96	78	81	85	--	74
<i>Citrobacter freundii</i>	155	R	R	94	R	R	90	88	88	99	R	90	100	100	99	99	97	99	99	86	91	86
<i>Morganella morganii</i>	89	R	11	98	R	R	89	85	94	98	76	91	100	100	99	84	93	65	70	64	R	R
<i>Providencia spp.</i>	62	R	52	98	R	65	98	95	98	98	98	94	100	100	100	52	53	63	66	87	R	R
<i>Shigella spp.</i>	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	0	--	--
<i>Stenotrophomonas</i>	40	R	R	R	R	R	R	55	R	--	R	R	R	R	R	R	R	--	90	100	--	R
<i>Klebsiella oxytoca</i>	305	R	65	94	41	88	95	95	93	95	98	92	100	100	100	96	95	94	97	92	93	92
<i>Haemophilus influenzae</i>	74	Beta-lactamase positive: 19%																				

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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.