

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
 % Susceptible | **Family Practice/Specialist Offices, All Isolates†** | January 2016 - December 2016

Gram Positive	Total	Penicillin(8)	Ampicillin	Oxacillin(3)	Amoxicillin/Clavulanate	Cefotaxime(8)	Ceftriaxone(8)	Meropenem	Gentamicin	Ciprofloxacin(6)	Levofloxacin(6)	Moxifloxacin	Trimethoprim/Sulfa	Clindamycin(4)	Daptomycin(5)	Erythromycin(4)	Nitrofurantoin(1)	Linezolid(2)	Vancomycin	Tetracycline(6)	Gentamicin Synergy(7)	Streptomycin Synergy(7)	Penicillin (non-CSF)(8)	Penicillin V (oral)(8)	Cefotaxime (non-CSF)(8)	Ceftriaxone (non-CSF)(8)
<i>Staph. aureus</i> (MSSA) 66%	651	--	--	100	--	--	--	--	99	88	88	98	100	82	100	68	100	100	100	95	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 34%	332	--	--	0	--	--	--	--	98	43	45	87	99	80	100	17	100	100	100	95	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	609	--	--	62	--	--	--	--	95	69	70	91	74	76	100	58	100	100	100	88	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	21*	62	--	--	95	90	86	80	--	--	100	--	43	ND	--	30	--	--	100	76	--	--	ND	ND	ND	ND
<i>Enterococcus faecalis</i>	530	100	100	--	--	R	R	--	--	79	85	--	R	R	100	--	100	99	99	31	ND	ND	--	--	--	--
<i>Enterococcus faecium</i>	33	39	39	--	--	R	R	--	--	24	33	--	R	R	94	--	61	97	52	33	ND	ND	--	--	--	--
<i>Enterococcus spp.</i>	23*	91	96	--	--	R	R	--	--	83	83	--	R	R	100	--	81	100	87	52	ND	ND	--	--	--	--

† The % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism encountered on a given patient.

ND No data; unable to compile client group-specific data. Please see individual client antibiogram and/or PLS "All Clients, All Isolates" antibiogram.

R Organism has intrinsic resistance to this antimicrobial.

-- Not tested/indicated for organism.

* Antibiograms created for organisms with less than 30 total isolates are of questionable statistical significance. Interpret data with caution.

(1) Nitrofurantoin is reported for urine sources only.

(2) Linezolid is not indicated for urinary sources.

(3) Oxacillin predicts susceptibility to most cephalosporins, carbapenems, and beta-lactam/beta-lactamase inhibitors.

(4) For *Staphylococcus spp.*: clindamycin and erythromycin are reported for non-urine sources only.

(5) For *Staphylococcus spp.*: daptomycin is reported for non-respiratory sources only.

(6) For all *Enterococcus spp.*: ciprofloxacin, levofloxacin, and tetracycline are reported for urine sources only.

(7) For *E. faecalis* and *E. faecium*: gentamicin and streptomycin high-level resistance testing is reported for isolates from blood sources only.

(8) For *S. pneumoniae*: cefotaxime, ceftriaxone, and penicillin % susceptible listed is based on parenteral CSF (meningitis), parenteral non-CSF, and oral MIC breakpoints.

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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>	4207	59	63	99	89	93	96	96	96	96	96	96	100	100	100	93	94	83	83	78	98	78
<i>Klebsiella pneumoniae</i>	760	R	87	98	94	94	99	99	99	99	96	99	100	100	100	99	99	98	99	91	57	86
<i>Proteus mirabilis</i>	225	89	95	100	94	100	100	100	100	100	98	100	100	100	100	93	93	83	85	84	R	R
<i>Enterobacter aerogenes</i>	90	R	R	92	R	R	92	91	93	100	R	96	100	100	100	100	100	97	98	99	13	93
<i>Enterobacter cloacae</i>	165	R	R	95	R	R	85	90	88	99	R	90	100	100	100	100	100	98	99	95	31	95
<i>Serratia marcescens</i>	50	R	R	94	R	R	92	96	98	100	R	96	98	100	100	100	92	96	98	100	R	10
<i>Pseudomonas aeruginosa</i>	234	R	R	100	R	R	R	97	R	94	R	83	R	97	98	91	98	84	80	R	--	R
<i>Acinetobacter baumannii</i>	11*	R	91	--	R	R	45	91	64	100	R	R	R	100	100	100	100	91	91	91	--	91
<i>Citrobacter freundii</i>	132	R	R	98	R	R	92	90	89	100	R	90	99	100	100	99	100	98	98	88	95	83
<i>Morganella morganii</i>	30	R	7	97	R	R	93	93	97	100	73	90	100	100	100	90	97	80	90	80	R	R
<i>Providencia</i> spp.	32	R	56	94	R	88	97	88	100	100	94	91	100	100	100	84	81	88	88	94	R	R
<i>Shigella</i> spp.	1*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	100	100	100	--	--
<i>Stenotrophomonas</i>	18*	R	R	R	R	R	R	61	R	--	R	R	R	R	R	R	R	--	89	100	--	R
<i>Klebsiella oxytoca</i>	178	7	69	98	49	94	97	97	96	97	99	96	100	100	100	99	99	98	99	94	94	93
<i>Haemophilus influenzae</i>	ND	Beta-lactamase positive: ND																				

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(1) Nitrofurantoin is reported for urine sources only.

(2) For *A. baumannii*: tetracycline is reported for urine sources only.