

Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Hospital/Surgical Clients, All Isolates | January 2020 - December 2020

% 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%	114	--	--	100	--	--	--	--	97	82	87	95	100	80	100	63	100	100	100	96	--	--	--	--	--	--
<i>Staph. aureus</i> (MRSA) 33%	57	--	--	0	--	--	--	--	98	37	37	84	95	57	100	16	100	98	100	84	--	--	--	--	--	--
<i>Staph. spp.</i> (coagulase-negative)	63	--	--	56	--	--	--	--	98	71	73	94	75	56	100	44	100	100	100	83	--	--	--	--	--	--
<i>Strep. pneumoniae</i>	11	64	--	--	100	73	73	73	--	--	100	--	73	100	--	64	--	--	100	91	--	--	88	75	100	100
<i>Enterococcus faecalis</i>	98	100	100	--	--	R	R	--	--	73	78	--	R	R	99	--	97	100	98	27	100	100	--	--	--	--
<i>Enterococcus faecium</i>	8	38	50	--	--	R	R	--	--	38	50	--	R	R	100	--	50	100	75	38	--	--	--	--	--	--
<i>Enterococcus spp.</i>	4	100	100	--	--	R	R	--	--	75	75	--	R	R	100	--	100	100	100	50	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 Negative	Gram	Total*	Ampicilin	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin	Cefotaxime	Ceftazidime	Ceftazidime/Avibactam	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Imipenem	Meropenem	Amikacin	Gentamicin	Tobramycin	Ciprofloxacin	Levofloxacin	Trimethoprim/Sulfa	Nitrofurantoin (1)	Tetracycline(2)	Tigecycline
<i>Escherichia coli</i>		479	60	65	99	77	80	95	100	95	96	97	95	100	100	100	100	95	95	ND	ND	83	98	78	100
<i>Klebsiella pneumoniae</i>		102	R	91	99	93	94	99	100	99	99	95	98	100	100	100	100	98	99	ND	ND	90	52	85	98
<i>Proteus mirabilis</i>		68	82	87	100	74	100	100	100	100	100	99	100	100	--	100	100	94	93	ND	ND	79	R	R	--
<i>Klebsiella (Enterobacter) aerogenes</i>		13	R	R	100	R	100	100	100	100	R	100	100	83	100	100	100	100	100	ND	ND	100	33	100	100
<i>Enterobacter cloacae</i> complex		23	R	R	87	R	88	83	100	78	100	R	87	91	93	96	100	100	100	ND	ND	91	13	91	96
<i>Serratia marcescens</i>		11	R	R	91	R	100	91	100	100	R	91	100	--	100	100	100	100	91	ND	ND	100	R	27	100
<i>Pseudomonas aeruginosa</i>		72	R	R	99	R	R	99	100	R	97	R	87	R	82	89	99	85	94	ND	ND	R	--	R	--
<i>Acinetobacter baumannii</i>		2	R	100	--	R	--	100	--	100	100	R	R	R	100	100	100	100	100	100	100	100	--	100	--
<i>Citrobacter freundii</i> complex		29	R	R	100	R	80	90	100	90	100	R	90	97	100	100	100	86	97	ND	ND	79	90	90	100
<i>Morganella morganii</i>		13	R	0	100	R	100	77	100	85	100	77	85	100	0	100	100	69	85	ND	ND	62	R	R	0
<i>Providencia</i> spp.		9	R	22	100	R	100	89	100	100	100	89	89	89	67	100	100	44	44	ND	ND	89	R	R	0
<i>Salmonella</i> spp.		0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Shigella</i> spp.		0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<i>Stenotrophomonas</i>		4	R	R	R	R	R	75	--	R	--	R	R	R	R	R	R	R	R	--	100	100	--	R	--
<i>Klebsiella oxytoca</i>		31	R	77	100	13	75	97	100	97	97	100	97	100	100	100	100	97	97	ND	ND	97	80	90	100
<i>Haemophilus influenzae</i>		3	Beta-lactamase positive: 0%																						

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.

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

-- Not tested/indicated for organism.

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

(1) Nitrofurantoin is reported for isolates from urine only.

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