Physicians Laboratory Services Cumulative Antimicrobial Susceptibility Report
Hospital/Surgical Clients, All Isolates | January 2021 - December 2021

% Susceptible **Gram Positive**	**Total***	**Penicillin**(2)	**Ampicillin**	**Oxacilin**(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)
Staph. aureus (MSSA) 70%	106	--	--	100	--	--	--	--	99	85	89	96	99	82	100	64	100	100	100	95	--	--	--	--	--	--
Staph. aureus (MRSA) 30%	45	--	--	0	--	--	--	--	96	42	44	78	100	76	100	24	100	100	100	87	--	--	--	--	--	--
Staph. spp. (coagulase-negative)	75	--	--	55	--	--	--	--	93	56	57	76	61	52	100	40	98	100	100	81	--	--	--	--	--	--
Strep. pneumoniae	13	77	--	--	92	92	92	92	--	--	100	--	85	85	--	54	--	--	100	77	--	--	100	77	100	100
Enterococcus faecalis	110	100	100	--	--	R	R	--	--	77	81	--	R	R	100	--	98	100	100	37	33	33	--	--	--	--
Enterococcus faecium	3	33	33	--	--	R	R	--	--	33	33	--	R	R	100	--	100	100	67	67	--	--	--	--	--	--
Enterococcus spp.	6	83	83	--	--	R	R	--	--	50	50	--	R	R	100	--	100	100	50	83	--	--	--	--	--	--

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.
(33% of *E. faecalis* isolates (1 out of 3) from blood had high-level resistance to both gentamicin and streptomycin.)

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% Susceptible **Gram Negative**	Total*	Ampicilin	Ampicillin/Sulbactam	Pipericillin/Tazobactam	Cefazolin	Ceftazidime	Ceftazidime/Avibactam	Ceftriaxone	Cefepime	Cefoxitin	Aztreonam	Ertapenem	Imipenem	Meropenem	Amikacin	Gentamicin	Tobraymcin	Ciprofloxacin(3)	Levofloxacin(3)	Trimethoprim/Sulfa	Nitrofurantoin(1)	Tetracyline(2)	Tigecycline
Escherichia coli	524	67	70	98	79	96	100	96	97	97	96	100	100	100	100	95	97	83	84	85	98	82	100
Klebsiella pneumoniae	115	R	92	99	94	97	100	97	97	100	97	100	98	100	100	98	98	97	99	92	53	88	100
Proteus mirabilis	66	82	92	100	82	100	100	100	100	100	100	100	--	100	98	86	88	67	83	79	R	R	--
Klebsiella (Enterobacter) aerogenes	15	R	R	87	R	80	100	73	100	R	80	100	80	100	100	100	100	93	93	93	38	80	100
Enterobacter cloacae complex	30	R	R	90	R	80	100	70	100	R	77	97	93	100	100	97	97	100	100	93	6	93	100
Serratia marcescens	19	R	R	95	R	84	100	79	100	R	89	100	--	100	100	100	95	100	100	100	R	16	95
Pseudomonas aeruginosa	81	R	R	95	R	95	100	R	95	R	86	R	88	94	98	91	99	93	90	R	--	R	--
Acinetobacter baumannii	3	R	67	--	R	100	--	100	100	R	R	R	100	100	100	100	100	100	100	67	--	100	--
Citrobacter freundii complex	34	R	R	100	R	85	100	79	97	R	91	100	100	100	100	91	94	97	97	76	91	76	100
Morganella morganii	9	R	33	100	R	78	100	89	100	67	89	100	0	100	100	56	100	56	67	56	R	R	0
Providencia spp.	8	R	50	100	R	75	100	88	100	88	88	100	100	100	100	50	50	63	63	63	R	R	0
Salmonella spp.	1	100	--	--	--	100	--	--	--	--	--	--	--	--	--	--	--	--	--	100	--	--	--
Shigella spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Stenotrophomonas	10	R	R	R	R	70	--	R	--	R	R	R	R	R	R	R	R	--	100	100	--	R	--
Klebsiella oxytoca	34	R	76	100	18	97	100	97	97	97	97	100	100	100	100	97	97	97	97	94	96	88	97
Haemophilus influenzae	11	Beta-lactamase positive: 18%																					

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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.

(3) Ciprofloxacin/Levofloxacin*:* Enterobacterales & *P. aeruginosa* %Susceptible utilizes CLSI M100 28th Edition breakpoints.

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