

Antibiotic Susceptibility of Common Organisms

2023 STHS McAllen - ICU

Numbers indicate percent susceptible; only the first isolate per patient per period is included

		# of isolates	Beta-Lactams							FQ	AGs			Miscellaneous					
			Oxacillin	Ampicillin ¹	Ampicillin/Sulbactam	Piperacillin/Tazobactam	Cefazolin ²	Ceftriaxone	Cefepime	Meropenem	Ciprofloxacin	Amikacin	Gentamicin	Tobramycin	Clindamycin	Tetracycline ⁴	TMP/SMX (Bactrim)	Vancomycin	Linezolid
Gram-Negative	Acinetobacter baumannii	32	-	-	34	32	-	-	34	32	34	-	34	34	-	-	78	-	-
	Enterobacter cloacae ^{5,‡}	18	-	-	-	71	-	-	89	96	95	100	95	95	-	-	95	-	-
	Escherichia coli	164	-	32	51	91	53	57	59	99	48	100	80	70	-	-	59	-	-
	Klebsiella aerogenes ^{5,6,‡}	21	-	-	-	62	-	-	95	100	91	100	95	95	-	-	71	-	-
	Klebsiella pneumoniae	95	-	-	60	81	67	67	67	92	68	93	87	75	-	-	67	-	-
	Proteus mirabilis	50	-	46	64	100	58	92	96	100	66	100	70	68	-	-	60	-	-
	Pseudomonas aeruginosa	105	-	-	-	74	-	-	86	68	82	-	-	93	-	-	-	-	-
Gram +	Staphylococcus aureus ^{7,8}	112	53	-	-	-	-	-	-	-	-	88	-	64	75	96	100	100	
	Enterococcus faecalis	32	-	100	-	-	-	-	-	-	-	-	-	-	-	-	100	100	

Resistance: MRSA 47%, VRE 23%, ESBL 36%, CRE 7%

¹ Ampicillin susceptibility indicates susceptibility to amoxicillin, amoxicillin-clavulanate, ampicillin-sulbactam, and piperacillin-tazobactam

² When used for therapy of uncomplicated UTIs due to E. coli, K. pneumoniae, and P. mirabilis, cefazolin susceptibility indicates susceptibility to the oral agents cefaclor, cefdinir, cefpodoxime, cefprozil, cefuroxime axetil, and cephalexin

³ Aztreonam use is reserved for severe penicillin allergy (e.g. anaphylaxis); caution: may cross-react with ceftazidime allergy

⁴ Tetracycline susceptibility indicates susceptibility to doxycycline and minocycline; some organisms resistant to tetracycline may be susceptible to doxycycline or minocycline

⁵ Use of 3rd generation cephalosporins is not recommended; these organisms frequently become resistant during therapy

⁶ Formerly known as Enterobacter aerogenes

⁷ Oxacillin and cefazolin are considered first-line antibiotic therapies for MSSA

⁸ For staphylococci that test susceptible, aminoglycosides must be used in combination with beta-lactams or vancomycin for synergy

[‡] Susceptibility rates determined on small sample size (<30) and may be statistically unreliable; interpret with caution