

Antibiotic Susceptibility of Common Organisms

2022 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 [‡]	13	-	-	46	38	-	-	38	46	46	-	54	46	-	-	69	-	-
	Enterobacter cloacae ^{5,‡}	15	-	-	-	60	-	-	93	100	93	100	100	93	-	-	87	-	-
	Escherichia coli	99	-	25	45	86	63	67	66	98	60	98	78	72	-	-	59	-	-
	Klebsiella aerogenes ^{5,6,‡}	25	-	-	-	60	-	-	88	92	92	100	96	96	-	-	72	-	-
	Klebsiella pneumoniae	48	-	-	58	75	65	65	69	85	77	92	83	77	-	-	65	-	-
	Proteus mirabilis [‡]	25	-	52	68	100	92	100	100	100	68	100	76	76	-	-	76	-	-
	Pseudomonas aeruginosa	62	-	-	-	79	-	-	79	77	89	98	92	100	-	-	-	-	-
Gram +	Staphylococcus aureus ^{7,8}	71	61	-	-	-	-	-	-	-	-	92	-	75	89	93	100	100	
	Enterococcus faecalis [‡]	26	-	100	-	-	-	-	-	-	-	-	-	-	-	-	96	100	

Resistance: 39% MRSA, 18% VRE, 28% ESBL

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