

SMH  2020 ANTIBIOGRAM Hospital-wide (% Susceptible <sup>a</sup> )		GRAM POSITIVE					GRAM NEGATIVE					This susceptibility chart is provided as a guide to empiric therapy until culture and susceptibility results are available.	
		Staphylococcus aureus	MSSA	MRSA	Enterococcus faecalis	Enterococcus faecium	Enterobacter cloacae <sup>b</sup>	Escherichia coli	Klebsiella pneumoniae	Proteus mirabilis	Acinetobacter baumannii group <sup>h</sup>		Pseudomonas aeruginosa
Number of Isolates		1293	889	439	400	166	108	2015	351	140	17	248	
Penicillins	Cloxacillin	67	100	R									
	Penicillin			R	94	7							
	Ampicillin/Amoxicillin			R	100	8	R	49	R	74	R	R	
	Amoxicillin-Clavulanate	67	100	R			R	81	88	98	R	R	
	Piperacillin-Tazobactam			R			80	95	92	100	82	88	
Cephalosporins	Cephalexin <sup>c</sup> - 1st gen	67	100	R	R	R	R	78	84	90	R	R	
	Cefazolin <sup>d</sup> - 1st gen	67	100	R	R	R	R	33	71	50	R	R	
	Cefuroxime - 2nd gen			R	R	R							
	Cefixime - 3rd gen			R	R	R	42	79	87	97			
	Cefotaxime / Ceftriaxone - 3rd gen			R	R	R	69	81	89	98	R	R	
	Ceftazidime - 3rd gen			R	R	R	75	84	89	99	76	90	
Carbapenems	Ertapenem - restricted			R			95	100	96	100	R	R	
	Imipenem - restricted			R									
	Meropenem - restricted			R			99	100	97	100	100	92	
AMGs	Gentamicin						95	88	93	88	94	96	
	Tobramycin						95	89	93	89	100	100	
	Amikacin						99	100	98	97		100	
FQs	Ciprofloxacin				63 <sup>g</sup>	0 <sup>g</sup>	93	57	81	76	88	82	
	Levofloxacin	64	82	28	63 <sup>g</sup>	0 <sup>g</sup>							
	Moxifloxacin	64	82	28									
Miscellaneous	Erythromycin <sup>e</sup>	64	78	36	R	R							
	Clindamycin	81	84	74	R	R							
	Tetracycline <sup>f</sup>	89	95	77	30 <sup>g</sup>	20 <sup>g</sup>	91	70	85	R	100	R	
	Linezolid - restricted	100	100	100	92	96							
	Nitrofurantoin-simple cystitis only <sup>g</sup>	100	100	100	99	30	75	95	40	R			
	TMP-SMX or Cotrimoxazole	83	88	75	R	R	89	72	89	74	94	R	
	Vancomycin	100	100	100	99	47							
	Fosfomicin <sup>g</sup>					83	75	99	92	84			

**R** = Intrinsically resistant

= Susceptibility not tested

**NOTES:**

- a. This antibiogram includes only the first isolate of a specific organism from any patient.
- b. These organisms carry an inducible β-lactamase and may develop resistance during prolonged therapy with 3rd generation cephalosporins.
- c. Cephalexin susceptibility in gram-negatives is derived from urine isolates only and is predictive of cefazolin susceptibility.
- d. Cefazolin susceptibility in gram-negatives is derived from nonurine isolates only and may underrepresent overall susceptibility.
- e. Organisms susceptible to erythromycin are also susceptible to azithromycin/clarithromycin.
- f. Organisms susceptible to tetracycline are also susceptible to doxycycline. However, some organisms that are nonsusceptible to tetracycline may be susceptible to doxycycline.
- g. From urinary tract isolates only.
- h. Small number of isolates, interpret results with caution.

† Data based on meningitis breakpoints

‡ Data based on non-meningitis breakpoints

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