

SMH site  2017 and 2018 ANTIBIOGRAM Emergency Department (% Susceptible <sup>a</sup> )		GRAM POSITIVE			GRAM NEGATIVE			
		<i>Staphylococcus aureus</i> (MSSA + MRSA)	<i>MRSA</i> (Methicillin Resistant <i>Staph. aureus</i> )	<i>MSSA</i> (Methicillin Susceptible <i>Staph. aureus</i> )	<i>Enterobacter cloacae</i> <sup>b</sup>	<i>Escherichia coli</i>	<i>Klebsiella pneumoniae</i>	<i>Pseudomonas aeruginosa</i>
<b>Number of Isolates</b>		1050	419	631	37	1467	169	101
Penicillins	Cloxacillin	60	R	100	R	R	R	R
	Penicillin (IV)	N	R	N	R	R	R	R
	Penicillin (Oral)							
	Ampicillin/Amoxicillin	N	R	N	R	42	R	R
	Amoxicillin-Clavulanate		R		R	83	93	R
	Piperacillin-Tazobactam		R		N	96	95	94
Cephalosporins	Cephalexin - 1st gen	60	R	100	R	56 <sup>c</sup>	82 <sup>c</sup>	R
	Cefazolin - 1st gen	60	R	100	R	73	83	R
	Cefuroxime - 2nd gen				R			R
	Cefixime - 3rd gen		R		N	83	91	R
	Cefotaxime / Ceftriaxone - 3rd gen		R		N	85	91	R
	Ceftazidime - 3rd gen		R		N			95
Carbapenems	Ertapenem - restricted		R		99	99	99	R
	Imipenem - restricted		R					85
	Meropenem - restricted		R		99	99	99	89
AMGs	Gentamicin	N	N	N	97	91	96	94
	Tobramycin	N	N	N	97	89	95	98
	Amikacin	N	N	N	100	100	99	98
FQs	Ciprofloxacin	N	N	N	100	72	92	85
	Levofloxacin							
	Moxifloxacin	N	N	N	N	N	N	N
Miscellaneous	Erythromycin <sup>d</sup>	55	24	76	R	R	R	R
	Clindamycin	80	75	83	R	R	R	R
	Tetracycline <sup>e</sup>	90	85	94				R
	Linezolid - restricted	100	100		R	R	R	R
	Metronidazole	R	R	R	R	R	R	R
	Nitrofurantoin-simple cystitis only <sup>c</sup>	99	99	99	24	95	34	R
	TMP-SMX or Cotrimoxazole	84	86	83	92	71	91	R
	Vancomycin	100	100	100	R	R	R	R

This susceptibility chart is provided as a guide to empiric therapy until culture and susceptibility results are available.

**KEY**

- R = Intrinsically resistant
- = Susceptibility not tested
- N = Not recommended

**NOTES:**

- a. This antibiogram includes only the first isolate of a specific organism from any patient.
- b. *Enterobacter* carries inducible cephalosporinases (AmpC) that cause *in-vivo* resistance to 3rd generation cephalosporins.
- c. For urinary tract isolates only.
- d. Susceptibility to erythromycin for these organisms is the same as for azithromycin/ clarithromycin.
- e. Organisms susceptible to tetracycline are also susceptible to doxycycline. However, some organisms that are nonsusceptible to tetracycline may be susceptible to doxycycline.

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