

SMH site  2015 and 2016 ANTIBIOGRAM Emergency (% 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>		888	334	554	37	1380	187	77
Penicillins	Cloxacillin	62	R	100	R	R	R	R
	Penicillin (IV)	N	R	N	R	R	R	R
	Penicillin (Oral)							
	Ampicillin/Amoxicillin	N	R	N	R	38	R	R
	Amoxicillin-Clavulanate		R		R	81	95	R
	Piperacillin-Tazobactam		R		N	95	94	94
Cephalosporins	Cephalexin - 1st gen	62	R	100	R	49 <sup>e</sup>	87 <sup>f</sup>	R
	Cefazolin <sup>c</sup> - 1st gen	62	R	100	R	72	88	R
	Cefuroxime - 2nd gen				R			R
	Cefixime - 3rd gen		R		N	81	93	R
	Cefotaxime / Ceftriaxone - 3rd gen		R		N	84	92	R
	Ceftazidime - 3rd gen		R		N			94
Carbapenems	Ertapenem - restricted		R		94	99	99	R
	Imipenem - restricted		R					79
	Meropenem - restricted		R		99	99	98	83
AMGs	Gentamicin	N	N	N	100	87	95	94
	Tobramycin	N	N	N	100	85	94	99
	Amikacin	N	N	N	100	100	100	97
FQs	Ciprofloxacin	N	N	N	100	71	95	82
	Levofloxacin							
	Moxifloxacin	N	N	N	N	N	N	N
Miscellaneous	Erythromycin <sup>f</sup>	53	20	74	R	R	R	R
	Clindamycin	80	73	84	R	R	R	R
	Doxycycline	94	93	95				R
	Linezolid - restricted	100	100		R	R	R	R
	Metronidazole	R	R	R	R	R	R	R
	Nitrofurantoin-simple cystitis only <sup>e</sup>	98	99	98	38	96	35	R
	TMP-SMX or Cotrimoxazole	83	86	82	100	69	92	R
	Vancomycin	100 <sup>d</sup>	100 <sup>d</sup>	100 <sup>d</sup>	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
- ☉ = Synergy with ampicillins or vancomycin

**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. Interpretation based on dose of cefazolin 2g IV q8h.
- d. Some *S. aureus* isolates with an MIC of 2 will be interpreted as susceptible but may result in clinical failure.
- e. For urinary tract isolates only.
- f. Susceptibility to erythromycin for these organisms is the same as for azithromycin/ clarithromycin.

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