

SMH site 2017 ANTIBIOGRAM Emergency Department (% Susceptible ^a)		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> ^b	<i>Escherichia coli</i>	<i>Klebsiella pneumoniae</i>	<i>Pseudomonas aeruginosa</i>
Number of Isolates		919	345	574	21	1407	153	83
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	37	R	R
	Amoxicillin-Clavulanate		R		R	81	93	R
	Piperacillin-Tazobactam		R		N	96	92	94
Cephalosporins	Cephalexin - 1st gen	62	R	100	R	47 ^c	86 ^c	R
	Cefazolin - 1st gen	62	R	100	R	69	85	R
	Cefuroxime - 2nd gen				R			R
	Cefixime - 3rd gen		R		N	82	94	R
	Cefotaxime / Ceftriaxone - 3rd gen		R		N	84	94	R
	Ceftazidime - 3rd gen		R		N			95
Carbapenems	Ertapenem - restricted		R		99	99	97	R
	Imipenem - restricted		R					87
	Meropenem - restricted		R		99	99	97	86
AMGs	Gentamicin	N	N	N	95	88	96	92
	Tobramycin	N	N	N	95	86	95	96
	Amikacin	N	N	N	100	100	97	95
FQs	Ciprofloxacin	N	N	N	95	71	94	84
	Levofloxacin							
	Moxifloxacin	N	N	N	N	N	N	N
Miscellaneous	Erythromycin ^d	53	15	75	R	R	R	R
	Clindamycin	81	72	86	R	R	R	R
	Tetracycline ^e	93	90	94				R
	Linezolid - restricted	100	100		R	R	R	R
	Metronidazole	R	R	R	R	R	R	R
	Nitrofurantoin-simple cystitis only ^c	100	100	99	67	95	30	R
	TMP-SMX or Cotrimoxazole	83	86	82	91	70	90	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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