

RCH site  2015 and 2016 ANTIBIOGRAM ICU and HAU (% 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>		190	48	142	31	127	68	58
Penicillins	Cloxacillin	75	R	100	R	R	R	R
	Penicillin (IV)	N	R	N	R	R	R	R
	Penicillin (Oral)							
	Ampicillin/Amoxicillin	N	R	N	R	31	R	R
	Amoxicillin-Clavulanate		R		R	67	94	R
	Piperacillin-Tazobactam		R		N	86	94	81
Cephalosporins	Cephalexin - 1st gen	75	R	100	R	32 <sup>e</sup>	78 <sup>e</sup>	R
	Cefazolin <sup>c</sup> - 1st gen	75	R	100	R	54	85	R
	Cefuroxime - 2nd gen				R			R
	Cefixime - 3rd gen		R		N	76	94	R
	Cefotaxime / Ceftriaxone - 3rd gen		R		N	78	94	R
	Ceftazidime - 3rd gen		R		N			83
Carbapenems	Ertapenem - restricted		R		68	99	99	R
	Imipenem - restricted		R					76
	Meropenem - restricted		R		97	99	99	78
AMGs	Gentamicin	N	N	N	87	86	97	97
	Tobramycin	N	N	N	87	87	97	98
	Amikacin	N	N	N	100	99	99	98
FQs	Ciprofloxacin	N	N	N	90	62	94	88
	Levofloxacin							
	Moxifloxacin	N	N	N	N	N	N	N
Miscellaneous	Erythromycin <sup>f</sup>	64	17	80	R	R	R	R
	Clindamycin	73	46	82	R	R	R	R
	Doxycycline	94	90	96				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	100	98	32	97	32	R
	TMP-SMX or Cotrimoxazole	94	88	96	84	73	88	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.

Developed by:  
Dr. Neil Mina, FH Medical Microbiologist and  
Bryna Yao, FH Regional LIS Coordinator