

RCH site  2016 ANTIBIOGRAM Hospital-wide (% Susceptible <sup>a</sup> )		GRAM POSITIVE														GRAM NEGATIVE														ANO <sub>2</sub>	This susceptibility chart is provided as a guide to empiric therapy until culture and susceptibility results are available.
		Coagulase Negative Staphylococcus	Enterococcus faecalis	Enterococcus faecium	Staphylococcus aureus (MSSA + MRSA)	MRSA (Methicillin Resistant Staph. aureus)	MSSA (Methicillin Susceptible Staph. aureus)	Staphylococcus lugdunensis	Streptococcus agalactiae (Group B)	Streptococcus anginosus group <sup>a</sup>	Streptococcus pneumoniae	Streptococcus pyogenes (Group A)	Viridans group Streptococcus <sup>a,i</sup>	Acinetobacter baumannii <sup>a</sup>	Citrobacter freundii <sup>b</sup>	Enterobacter aerogenes <sup>b,g</sup>	Enterobacter cloacae <sup>b</sup>	Escherichia coli	Haemophilus influenzae <sup>a</sup>	Klebsiella oxytoca	Klebsiella pneumoniae	Morganella morganii <sup>b,g</sup>	Proteus mirabilis	Proteus vulgaris <sup>b,g</sup>	Providencia species <sup>b,g</sup>	Pseudomonas aeruginosa	Salmonella species <sup>a</sup>	Serratia marcescens <sup>b</sup>	Stenotrophomonas maltophilia		
Number of Isolates		112	309	136	978	335	643	62	114	226	68	97	152	121	31	230	100	1496	560	62	315	238	147	53	47	181	213	62	43	79	<p><b>KEY</b></p> <p><b>R</b> = Intrinsically resistant</p> <p><b>N</b> = Susceptibility not tested</p> <p><b>N</b> = Not recommended</p> <p> = Synergy with ampicillins or vancomycin</p>
Penicillins		Cloxacillin	R	R	66	R	100	89			N	N		R	R	R	R	R	R	R	R	R	R	R	R	R		R	R	R	
		Penicillin (IV)	N		N	R	N		100	100	100	100	84	R	R	R	R	R	N	R	R	R	R	R	R	R		R	R	R	
		Penicillin (Oral)										84																			
		Ampicillin/Amoxicillin	N	99	12	N	R	N	100	100	100	100	86	R	R	R	R	37	75	R	R	R	46	R	R	R	92	R	R	R	
		Amoxicillin-Clavulanate				R								R	R	R	R	82	100	97	96	R	93	R	R	R		R	R	R	
		Piperacillin-Tazobactam				R								N	N	N	N	94		97	95		99		N	90	N	R	96		
Cephalosporins		Cephalexin - 1st gen	36	R	R	66	R	100	89		N	100		R	R	R	R	46	N	19	86	R	47	R	R	R		R	R	R	
		Cefazolin <sup>c</sup> - 1st gen	36	R	R	66	R	100	89		N	100		R	R	R	R	71	N	21	91	R	51	R	R	R		R	R	R	
		Cefuroxime - 2nd gen		R	R					100				R	R	R	R		100			R		R		R		R	R	R	
		Cefixime - 3rd gen		R	R		R				N			N	N	N	N	82		97	95	N	93	N	N	R		N	R	R	
		Cefotaxime / Ceftriaxone - 3rd gen		R	R		R		100	100	100	100	99		N	N	N	N	83	100	95	95	N	95	N	N	R	99	N	R	R
		Ceftazidime - 3rd gen		R	R		R				N	N			N	N	N					N		N	N	92		N		R	
Carbapenems		Ertapenem - restricted		R	R		R							R	99	99	95	99		98	99	99	99	99	99	R		99	R	R	
		Imipenem - restricted			N		R																			90			R	99	
		Meropenem - restricted		N	N		R							99	99	99	98	99		98	99	99	99	99	99	90		99	R	96	
AMGs		Gentamicin	N			N	N	N			R	R	N	98	100	100	94	90	N	97	96	85	90	98	60	97		100	R	R	
		Tobramycin	N	R	R	N	N	N			R	R	N	100	100	97	93	89	N	100	95	90	91	100	60	99		81	R	R	
		Amikacin	N	R	R	N	N	N			R	R	N	100	100	100	99	100	N	100	100	100	99	100	100	98		100	R	R	
FOs		Ciprofloxacin	N	69 <sup>f</sup>	7 <sup>f</sup>	N	N	N			N	N		99	100	95	95	75	100	100	96	81	79	96	98	92	88	98	R	R	
		Levofloxacin		71 <sup>f</sup>	7 <sup>f</sup>				100		100								100											98	
		Moxifloxacin	N	N	N	N	N	N			100			N	N	N	N	N	100	N	N	N	N	N	N	N	N	N	N	N	R
Miscellaneous		Erythromycin <sup>h</sup>	44			55	16	76	90	53		74	78	R	R	R	R	R		R	R	R	R	R	R	R	R	R	R	R	
		Clindamycin	53	R	R	69	48	80	90	61	85	85	79	100	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	64	
		Doxycycline	88	18	23	92	86	95			79											R	R	R	R	R			98 <sup>d</sup>	R	
		Linezolid - restricted	100	97	99	100	100		100						R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
		Metronidazole	R	R	R	R	R	R			R	R			R	R	R	R	R	R	R	R	R	R	R	R		R	R	100	
		Nitrofurantoin-simple cystitis only <sup>f</sup>	100	99	29	99	98	99			R	N			R	94	14	43	97	R	87	35	R	R	R	R		R	R	R	
		TMP-SMX or Cotrimoxazole	65	R	R	95	96	95	100			83	R		98	90	96	91	75		97	93	76	73	93	94	R	100	98	100	R
		Vancomycin	100	99	38	100	100	100	100	100	100	100	100		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

**NOTES:**

a. This antibiogram includes only the first isolate of a specific organism from any patient.

b. *Serratia*, *Providencia*, *Morganella*, *Citrobacter freundii*, *Enterobacter*, and *P. vulgaris* carry inducible cephalosporinases (AmpC) that cause *in-vivo* resistance to 3rd generation cephalosporins.

c. Interpretation based on dose of cefazolin 2g IV q8h.

d. Susceptibility for *S. maltophilia* represents minocycline.

e. Some *S. aureus* isolates with an MIC of 2 will be interpreted as susceptible but may result in clinical failure.

f. For urinary tract isolates only.

g. Combined from all FHA sites.

h. Susceptibility to erythromycin for these organisms is the same as for azithromycin/ clarithromycin.

i. Excluding *Streptococcus anginosus* group.