

RCH site  2018 ANTIBIOGRAM Hospital-wide (% Susceptible <sup>3</sup> )		GRAM POSITIVE											GRAM NEGATIVE														ANO <sub>2</sub>		YEAST	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)	MSSA (Methicillin Resistant Staph. aureus)	MSSA (Methicillin Susceptible Staph. aureus)	Staphylococcus lugdunensis	Streptococcus agalactiae (Group B)	Streptococcus anginosus group <sup>e</sup>	Streptococcus pneumoniae	Streptococcus pyogenes (Group A)	Viridans group Streptococcus <sup>ea</sup>	Acinetobacter baumannii <sup>e</sup>	Citrobacter freundii <sup>b,e</sup>	Enterobacter aerogenes <sup>b,e</sup>	Enterobacter cloacae <sup>b</sup>	Escherichia coli	Haemophilus influenzae	Klebsiella oxytoca	Klebsiella pneumoniae	Morganella morganii <sup>b,e</sup>	Proteus mirabilis	Proteus vulgaris <sup>b,e</sup>	Providencia species <sup>b,e</sup>	Pseudomonas aeruginosa	Salmonella species <sup>e</sup>	Serratia marcescens <sup>b,e</sup>	Stenotrophomonas maltophilia <sup>e</sup>		Bacteroides fragilis group <sup>e</sup>	Clostridium species <sup>e</sup>	Candida albicans <sup>e</sup>
Number of Isolates		121	279	117	952	285	667	87	133	170	50	85	190	103	250	224	84	1229	81	59	220	243	113	41	68	183	177	254	152	82	50	64	
Penicillins	Cloxacillin	37	R	R	70	R	100	93			N	N		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
	Penicillin (IV)	N			N	R	N		100	100	91 <sup>†</sup>	100	81	R	R	R	R	R	N	R	R	R	R	R	R	R	R	R	R	R	86		
	Penicillin (Oral)										91																						
	Ampicillin/Amoxicillin	N	100	4	N	R	N		100	100	100	100	83	R	R	R	R	39	78	R	R	R	47	R	R	R	R	87	R	R	R		
	Amoxicillin-Clavulanate					R								R	R	R	R	82	100	93	90	R	96		R	R		R	R				
	Piperacillin-Tazobactam					R									N	N	N	95		93	93	98	97	100	N	91		N	R	88			
Cephalosporins	Cephalexin - 1st gen	37	R	R	70	R	100	93			N	100		R	R	R	R	49 <sup>d</sup>	N	20 <sup>d</sup>	82 <sup>d</sup>	R <sup>d</sup>	50 <sup>d</sup>	R <sup>d</sup>	R	R	R	R	R	R			
	Cefazolin - 1st gen	37	R	R	70	R	100	93			N	100		R	R	R	R	70	N	20	85	R	58	R	R	R	R	R	R	R			
	Cefuroxime - 2nd gen		R	R							100			R	R	R	R		100			R		R		R	R	R	R	R			
	Cefixime - 3rd gen		R	R		R					N				N	N	N	82		97	91	N	95	N	N	R		N	R	R			
	Cefotaxime / Ceftriaxone - 3rd gen		R	R		R			100	100	100	100	98		N	N	N	83	100	95	91	N	96	N	N	R	98	N	R	R			
Ceftazidime - 3rd gen		R	R		R				N	N				N	N	N				N	N	N	N	R	93	N	N	R					
Carbapenems	Ertapenem - restricted		R	R		R								R	99	99	96	99		99	99	99	99	99	99	R		99	R				
	Imipenem - restricted			N		R																				90		R	96	94			
	Meropenem - restricted		N	N		R								99	99	99	98	99		99	99	99	99	99	99	91		99	R	90	98		
AMGs	Gentamicin	N			N	N	N				R	R	N	98	95	100	100	90	N	97	96	83	90	100	79	94		100	R	R			
	Tobramycin	N	R	R	N	N	N				R	R	N	98	95	97	99	90	N	100	96	87	90	100	81	98		91	R	R			
	Amikacin	N	R	R	N	N	N				R	R	N	97	99	100	99	100	N	100	99	100	99	100	100	97		100	R	R			
FCs	Ciprofloxacin	N	67 <sup>d</sup>	6 <sup>d</sup>	N	N	N				N	N		97	92	95	96	74	100	98	96	80	81	100	90	90	72	96	R	R			
	Levofloxacin		69 <sup>d</sup>	6 <sup>d</sup>							100								100										91				
	Moxifloxacin	N	N	N	N	N	N				100			N	N	N	N	N	100	N	N	N	N	N	N	N	N	N	N	R			
Miscellaneous	Erythromycin <sup>f</sup>	41			63	26	79	90	66		76	73		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			
	Clindamycin	59	R	R	76	61	82	89	67	59	88	74		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	46	58	
	Tetracycline <sup>h</sup>	88	20 <sup>d</sup>	33 <sup>d</sup>	92	85	95				76																		100 <sup>†</sup>				
	Linezolid - restricted	100	93	100	100	100		100						R	R	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	R	R	R	99	98	
	Nitrofurantoin-simple cystitis only <sup>d</sup>	99	99	15	99	98	100					R	N		R	95	14	51	96	R	81	24	R	R	R	R	R	R	R	R	R		
	TMP-SMX or Cotrimoxazole	71	R	R	94	91	95	99			76			93	87	96	95	73		93	90	74	76	93	91	R	98	100	99	R			
	Vancomycin	100	98	33	100	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		
	Fosfomycin <sup>i</sup>																																
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Fluconazole																																100	
Micafungin - restricted																																100	

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

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

d. For urinary tract isolates only.

e. Combined from all FH sites.

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

g. Excluding *Streptococcus anginosus* group.

h. Organisms susceptible to tetracycline are also susceptible to doxycycline. However, some organisms that are nonsusceptible to tetracycline may be susceptible to doxycycline.

i. Fosfomycin testing was calculated from a limited number of *E. coli* (n=11336), *K. oxytoca* (n=324), *K. pneumoniae* (n=1393) and *P. mirabilis* (n=795) isolates from all FH sites.

† Data based on meningitis breakpoints

‡ Data based on non-meningitis breakpoints

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