

CGH 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 <sup>1</sup>	Staphylococcus aureus (MSSA + MRSA)	MRSA (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 <sup>1</sup>	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		42	237	165	666	172	494	73	158	170	34	109	190	103	250	224	42	1542	85	38	159	243	86	41	68	126	177	254	152	82	50	64		
Penicillins	Cloxacillin	57	R	R	74	R	100	100			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	81 <sup>†</sup>	100	81	R	R	R	R	R	N	R	R	R	R	R	R	R		R	R	R	86			
	Penicillin (Oral)										81																							
	Ampicillin/Amoxicillin	N	99	7	N	R	N		100	100	100	100	83	R	R	R	R	42	72	R	R	R	62	R	R	R	R	87	R	R	R			
	Amoxicillin-Clavulanate					R								R	R	R	R	86	100	92	93	R	95		R	R		R	R					
	Piperacillin-Tazobactam														N	N	N	96		95	94	98	100	100	N	96		N	R	88				
Cephalosporins	Cephalexin - 1st gen	57	R	R	74	R	100	100			N	100		R	R	R	R	53 <sup>d</sup>	N	16	84 <sup>d</sup>	R <sup>d</sup>	R <sup>d</sup>	R	R		R	R	R					
	Cefazolin - 1st gen	57	R	R	74	R	100	100			N	100		R	R	R	R	79	N	16	85	R	69	R	R	R		R	R	R				
	Cefuroxime - 2nd gen		R	R							100			R	R	R	R		100			R		R		R		R	R					
	Cefixime - 3rd gen		R	R		R					N				N	N	N	91		97	95	N	95	N	N	R		N	R	R				
	Cefotaxime / Ceftriaxone - 3rd gen		R	R		R			100	100	100	100	98		N	N	N	92	100	95	95	N	95	N	N	R	98	N	R	R				
Ceftazidime - 3rd gen		R	R		R				N	N				N	N	N				N	N	N	N	R	96		N		R					
Carbapenems	Ertapenem - restricted		R	R		R								R	99	99	99	99		99	99	99	99	99	99	R		99	R					
	Imipenem - restricted			N		R																				91		R	96	94				
	Meropenem - restricted		N	N		R								99	99	99	99	99		99	99	99	99	99	99	92		99	R	90	98			
AMGs	Gentamicin	N			N	N	N				R	R	N	98	95	100	100	93	N	100	97	83	93	100	79	95		100	R	R				
	Tobramycin	N	R	R	N	N	N				R	R	N	98	95	97	100	94	N	100	96	87	94	100	81	100		91	R	R				
	Amikacin	N	R	R	N	N	N				R	R	N	97	99	100	100	100	N	100	100	100	100	100	100	98		100	R	R				
FCs	Ciprofloxacin	N	69 <sup>d</sup>	4 <sup>d</sup>	N	N	N				N	N		97	92	95	95	83	100	100	96	80	93	100	90	94	72	96	R	R				
	Levofloxacin		70 <sup>d</sup>	4 <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>1</sup>	50			63	16	79	82	60		77	65		R	R	R	R	R		R	R	R	R	R	R	R		R	R	R				
	Clindamycin	74	R	R	80	63	86	84	64	59	91	66		R	R	R	R	R		R	R	R	R	R	R	R		R	R	46	58			
	Tetracycline <sup>h</sup>	93	17 <sup>d</sup>	39 <sup>d</sup>	93	86	96				85																		100 <sup>†</sup>					
	Linezolid - restricted	100	95	99	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>	100	100	15	99	97	99					R	N		R	95	14	36	96	R	76	34	R	R	R	R	R	R	R	R	R			
	TMP-SMX or Cotrimoxazole	71	R	R	96	95	96	100			93			93	87	96	93	79		97	92	74	92	93	91	R	98	100	99	R				
	Vancomycin	100	99	43	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			
	Fosfomycin <sup>1</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.
  - j. Combined with Rest of FH

<sup>†</sup> Data based on meningitis breakpoints

<sup>‡</sup> Data based on non-meningitis breakpoints