

MMH 2021 and 2022 ANTIBIOGRAM Hospital-wide (% Susceptible ^a)		GRAM POSITIVE					GRAM NEGATIVE				
		Staphylococcus aureus	MSSA	MRSA	Enterococcus faecalis	Enterococcus faecium	Enterobacter cloacae ^b	Escherichia coli	Klebsiella pneumoniae	Proteus mirabilis	Pseudomonas aeruginosa
Number of Isolates		516	377	150	181	51	43	994	117	60	95
Penicillins	Cloxacillin	72	100	R							
	Penicillin			R	95	6					
	Ampicillin/Amoxicillin			R	100	8	R	62	R	85	R
	Amoxicillin-Clavulanate	72	100	R			R	88	93	100	R
	Piperacillin-Tazobactam			R			63	97	97	100	93
Cephalosporins	Cephalexin ^c - 1st gen	72	100	R	R	R	R	86	91	98	R
	Cefazolin ^d - 1st gen	72	100	R	R	R	R	67	78	67	R
	Cefuroxime - 2nd gen			R	R	R					R
	Cefixime - 3rd gen			R	R	R	44	86	90	98	R
	Cefotaxime / Ceftriaxone - 3rd gen			R	R	R	51	89	91	100	R
	Ceftazidime - 3rd gen			R	R	R	63	91	94	98	94
Carbapenems	Ertapenem - restricted			R			88	100	100	100	R
	Imipenem - restricted			R							
	Meropenem - restricted			R			98	100	100	100	94
AMGs	Gentamicin						95	93	95	97	98
	Tobramycin						98	95	93	95	100
	Amikacin						100	100	100	100	99
FQs	Ciprofloxacin				60 ^g	4 ^g	98	69	82	92	91
	Levofloxacin	76	90	36	60 ^g	4 ^g					
	Moxifloxacin	76	90	36							
Miscellaneous	Erythromycin ^e	66	76	37	R	R					
	Clindamycin	78	82	67	R	R					
	Tetracycline ^f	91	97	75	19 ^g	26 ^g	93	79	80	R	R
	Linezolid - restricted	100	100	100	99	92					
	Nitrofurantoin-simple cystitis only ^g	100	100	100	99	28	52	98	34	R	R
	TMP-SMX or Cotrimoxazole	85	92	67	R	R	93	82	83	92	R
	Vancomycin	100	100	100	98	55					
Fosfomycin ^g					81	76	99	90	90		

This susceptibility chart is provided as a guide to empiric therapy until culture and susceptibility results are available.

R = Intrinsically resistant
 = Susceptibility not tested

NOTES:
a. This antibiogram includes only the first isolate of a specific organism from any patient.
b. These organisms carry an inducible β-lactamase and may develop resistance during prolonged therapy with 3rd generation cephalosporins.
c. Cephalexin susceptibility in gram-negatives is derived from urine isolates only and is predictive of cefazolin susceptibility.
d. Cefazolin susceptibility in gram-negatives is derived from nonurine isolates only and may underrepresent overall susceptibility.
e. Organisms susceptible to erythromycin are also susceptible to azithromycin/clarithromycin.
f. Organisms susceptible to tetracycline are also susceptible to doxycycline. However, some organisms that are nonsusceptible to tetracycline may be susceptible to doxycycline.
g. From urinary tract isolates only.
h. Small number of isolates, interpret results with caution.

† Data based on meningitis breakpoints
‡ Data based on non-meningitis breakpoints

Developed by:
Fraser Health Antimicrobial Stewardship Program, Department of Medical Microbiology, and Infection Prevention and Control