

PEDIATRICS
All Fraser Health sites

2017
ANTIBIOGRAM
Hospital-wide
(% Susceptible^a)

GRAM POSITIVE

GRAM NEGATIVE

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

NOTES:

- a. This antibiogram includes only the first isolate of a specific organism from any patient ages 16 and younger.
- b. AmpC organisms are calculated from *Serratia*, *Providencia*, *Morganella*, *Citrobacter freundii*, *Enterobacter*, and *P. vulgaris*. These organisms carry inducible cephalosporinases (AmpC) that cause *in-vivo* resistance to 3rd generation cephalosporins.
- c. For urinary tract isolates only.
- d. Susceptibility to erythromycin for these organisms is the same as for azithromycin/ clarithromycin.
- e. Organisms susceptible to tetracycline are also susceptible to doxycycline. However, some organisms that are nonsusceptible to tetracycline may be susceptible to doxycycline.

Developed by:
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	GRAM POSITIVE								GRAM NEGATIVE						
	Coagulase Negative <i>Staphylococcus</i>	<i>Enterococcus faecalis</i>	<i>Enterococcus species</i>	<i>Staphylococcus aureus</i> (MSSA + MRSA)	MRSA (Methicillin Resistant <i>Staph. aureus</i>)	MSSA (Methicillin Susceptible <i>Staph. aureus</i>)	<i>Streptococcus pneumoniae</i>	<i>Streptococcus pyogenes</i> (Group A)	<i>Escherichia coli</i>	<i>Haemophilus influenzae</i>	<i>Klebsiella pneumoniae</i>	<i>Proteus mirabilis</i>	<i>Salmonella species</i>	AmpC Organisms ^b	

Number of Isolates	65	92	94	539	95	444	40	124	799	92	43	40	34	56
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Penicillins	Cloxacillin	52	R	R	82	R	100	N	N	R	R	R	R	R	
	Penicillin (IV)	N			N	R	N	100	100	R	N	R	R	R	
	Penicillin (Oral)							82							
	Ampicillin/Amoxicillin	N	100	99	N	R	N	100	100	47	62	R	62	88	R
	Amoxicillin-Clavulanate					R				87	100	95	95	R	
Piperacillin-Tazobactam					R				97		98	100			
Cephalosporins	Cephalexin - 1st gen	52	R	R	82	R	100	N	100	58 ^c	N	93 ^c	69 ^c	R	
	Cefazolin - 1st gen	52	R	R	82	R	100	N	100	80	N	93	70	R	
	Cefuroxime - 2nd gen		R	R				100		100				R	
	Cefixime - 3rd gen		R	R		R		N	91		95	92		N	
	Cefotaxime / Ceftriaxone - 3rd gen		R	R		R		100	100	92	100	95	95	99	N
	Ceftazidime - 3rd gen		R	R		R		N	N						N
Carbapenems	Ertapenem - restricted		R	R		R				99		99	99		99
	Imipenem - restricted					R									
	Meropenem - restricted		N	N		R				99		99	99		99
AMGs	Gentamicin	N			N	N	N	R	R	91	N	100	90		96
	Tobramycin	N	R	R	N	N	N	R	R	92	N	100	90		96
	Amikacin	N	R	R	N	N	N	R	R	100	N	100	97		100
Miscellaneous	Erythromycin ^d	34			62	27	70	80	90	R		R	R		R
	Clindamycin	59	R	R	78	80	78	88	90	R	R	R	R		R
	Tetracycline ^e	84	17 ^c	16 ^c	94	92	94	77					R		
	Linezolid - restricted	97	95	95	100	99				R	R	R	R		R
	Metronidazole	R	R	R	R	R	R	R	R	R	R	R	R		R
	Nitrofurantoin-simple cystitis only ^c	97	99	98	99	98	99	R	N	98	R	47	R		
	TMP-SMX or Cotrimoxazole	95	R	R	85	77	87	68	R	78		95	80	91	93
Vancomycin	100	100	100	100	100	100	100	100	R	R	R	R		R	