

PEDIATRICS All Fraser Health sites 2018 ANTIBIOGRAM Hospital-wide (% Susceptible^a)		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		78	78	80	542	122	420	33	98	822	97	47	42	42	31
Penicillins	Cloxacillin	54	R	R	78	R	100	N	N	R	R	R	R		R
	Penicillin (IV)	N			N	R	N	85 [†] 100 [‡]	100	R	N	R	R		R
	Penicillin (Oral)							85							
	Ampicillin/Amoxicillin	N	100	99	N	R	N	100	100	48	60	R	67	88	R
	Amoxicillin-Clavulanate					R				89	100	100	100		R
	Piperacillin-Tazobactam					R				97		100	100		
Cephalosporins	Cephalexin - 1st gen	54	R	R	78	R	100	N	100	64 ^c	N	94 ^c	69 ^c		R
	Cefazolin - 1st gen	54	R	R	78	R	100	N	100	81	N	96	69		R
	Cefuroxime - 2nd gen		R	R				100			100				R
	Cefixime - 3rd gen		R	R		R		N		92		98	95		N
	Cefotaxime / Ceftriaxone - 3rd gen		R	R		R		100	100	93	100	98	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	94	N	96	93		100
	Tobramycin	N	R	R	N	N	N	R	R	94	N	94	98		100
	Amikacin	N	R	R	N	N	N	R	R	100	N	100	100		100
Miscellaneous	Erythromycin ^d	35			67	34	76	79	89	R		R	R		R
	Clindamycin	65	R	R	81	80	81	91	88	R	R	R	R		R
	Tetracycline ^e	92	12 ^c	13 ^c	95	92	96	84					R		
	Linezolid - restricted	100	92	92	100	100				R	R	R	R		R
	Metronidazole	R	R	R	R	R	R	R	R	R	R	R	R		R
	Nitrofurantoin-simple cystitis only ^c	99	100	99	98	98	99	R	N	98	R	38	R		
	TMP-SMX or Cotrimoxazole	92	R	R	85	75	88	93		73		89	88	98	97
Vancomycin	100	100	100	100	100	100	100	100	R	R	R	R		R	

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.

† Data based on meningitis breakpoints

‡ Data based on non-meningitis breakpoints

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