

BC Children's Hospital and
BC Women's Hospital & Health Centre



CUMULATIVE ANTIBIOGRAM

2019

Division of Medical Microbiology
Department of Pathology and Laboratory Medicine

Medical Approval: Dr. Peter Tilley

Version: 1

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Medical Approval Date:

Implementation Date: 1/20/2021 10:50:45 AM

GRAM-POSITIVE BACTERIA	Total Number of Isolates (N)*	PERCENTAGE (%) OF SUSCEPTIBLE CLINICAL ISOLATES														
		Ampicillin	Amox/Clav	Penicillin	Oxacillin	Cefazolin	Cephalexin	Ceftriaxone (CNS)	Ceftriaxone	Vancomycin	Erythromycin	Clindamycin	Trimeth/Sulfa	Doxycycline	Nitrofurantoin#	Linezolid
Enterococcus faecalis	88	100				R	R			100					99	100
S. aureus – all isolates	798		89		89	89				100	74	80	98	96		100
MRSA isolates only	91	R	R	R	R	R	R		R	100	44	74	96	90		100
Coagulase Negative Staphylococcus	76				37	37				100			85			100
Streptococcus pneumoniae†	45			100				100**	98		84	93				
Viridans Group Streptococci (S. mitis, S. mutans, S. bovis, S. salivarius, and S. sanguinis groups)	39			69					90	100						
Streptococcus pyogenes (Group A)	286			100							85	86				

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GRAM-NEGATIVE BACTERIA	Total Number of Isolates (N)*	PERCENTAGE (%) OF SUSCEPTIBLE CLINICAL ISOLATES												
		Ampicillin	Amox/Clav	Pip/Tazobactam	Cefazolin	Cephalexin	Cefotaxime	Ceftazidime	Meropenem	Gentamicin	Tobramycin	Trimeth/Sulfa	Ciprofloxacin	Nitrofurantoin#
Escherichia coli (all sites)	501	46	44	97	53 †		85		100	88	88	73	79	
Escherichia coli (urine only)	448	48	45	98		87 §	88		100	89	88	73	81	98
Klebsiella pneumoniae	53	R	76	92	83 †	82 §	85 ¶		100	91		79	92	60
Enterobacter cloacae complex (E. asburiae, E. cloacae, E. kobei)	36	R	R		R				97	94	92	81	97	20
Proteus mirabilis	31	77	94	100	0 ‡	93 §	94		100	81	84	81	90	0
Pseudomonas aeruginosa	82	R	R	71	R	R	R	89	94	91	98	R	90	R
Haemophilus influenzae	71	62	89				96					51		

Legend

- R This organism is intrinsically resistant to this antibiotic
- * Not all isolates had susceptibility testing for all antibiotics
- # Tested on urine isolates only; should only be used for treatment of simple cystitis
- ¶ Statistically significant decrease in susceptibility of more than 10%
- † Susceptibilities reflect non-CNS infection breakpoints (except where indicated)
- ** Due to small number of annual isolates, interpret with caution
- ‡ Based on non-urine isolates only
- § Result only applicable to uncomplicated urinary tract infection

Data in this 2019 antibiogram include only the first isolate for a given patient. Susceptibility rates cannot be compared directly with previous annual antibiograms prior to 2018.

For less common organisms not in this annual antibiogram, refer to the [3-year antibiogram](#)

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