



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



CUMULATIVE ANTIBIOGRAM

2016

**Division of Medical Microbiology
Department of Pathology and Laboratory Medicine**

GRAM-POSITIVE BACTERIA	Total Number of Isolates (N)*	PERCENTAGE (%) OF SUSCEPTIBLE ISOLATES														
		Ampicillin	Amox/Clav	Penicillin	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone (CNS)	Cefotaxime	Vancomycin	Erythromycin	Clindamycin	Trimeth/Sulfa	Doxycycline	Nitrofurantoin#	Linezolid
<i>Enterococcus faecalis</i>	282	100				R	R		R	100					99	98
<i>Enterococcus faecium</i> **	28	39				R	R		R	43 [†]					0	100
<i>S. aureus</i> – all clinical isolates	1382		82		82	82	82			100	72	79	92	96		100
MRSA clinical isolates	272	R	R	R	R	R	R		R	100	39	67	86	89		100
Coagulase Negative <i>Staphylococcus</i>	279				21	21				100						100
<i>Streptococcus pneumoniae</i> [†]	60			100					95 _a	100	100	85	92			
Viridans Streptococci	36	77		64					92	100						
<i>Streptococcus pyogenes</i> (Group A)	396			100					100	100	89	91				

GRAM-NEGATIVE BACTERIA	Total Number of Isolates (N)*	PERCENTAGE (%) OF SUSCEPTIBLE ISOLATES												
		Ampicillin	Amox/Clav	Pip/Tazobactam	Cefazolin	Cephalexin	Cefotaxime	Ceftazidime	Meropenem	Gentamicin	Tobramycin	Trimeth/Sulfa	Ciprofloxacin	Nitrofurantoin#
<i>Escherichia coli</i> (all sites)	787	49	47	96	41		90		100	90	90	70	83	
<i>Escherichia coli</i> (urine only)	650	51	49	98		91	92		100	91	92	71	85	99
<i>Klebsiella pneumoniae</i>	115	R	75	86	62	85	87		94	89	81	65	81	37
<i>Klebsiella oxytoca</i>	45	R	91	98	34	98	100		100	100	98	100	100	96
<i>Enterobacter cloacae</i> complex (asburiae, kobei, cloacae)	107	R	R		R	R			90	99	99	76	99	24
<i>Proteus mirabilis</i>	44	77	86	100	0	88	95		100	91	89	89	86	0
<i>Pseudomonas aeruginosa</i> ††	289	R		77			R	80	84	92	96	R	88	
<i>Haemophilus influenzae</i>	187	74	96				99					72		

Legend

- R This organism is inherently resistant to this antibiotic
- * Not all isolates had susceptibility testing for all antibiotics
- ** Small number of isolates - includes screening (colonization) and clinical isolates
- # Tested on urine isolates only
- † Susceptibilities reflect non-CNS infection breakpoints (except ceftriaxone)
- α Based on 21 isolates
- †† Isolates from Cystic Fibrosis patients are included
- Ψ All VRE isolates were identified through screening (colonization)

Additional Infection Control Precautions

Contact	<ul style="list-style-type: none">• Single room• HCW: gloves and gowns for direct care
Droplet	<ul style="list-style-type: none">• Single room• HCW: surgical/Procedure mask and eye protection• Patient: mask when outside room if possible
Droplet & Contact	<ul style="list-style-type: none">• Combine all elements of both
Airborne	<ul style="list-style-type: none">• Negative pressure room with door closed• HCW: N95 Respirator on Entry• Patient: surgical/procedure mask when outside room
Airborne & Contact	<ul style="list-style-type: none">• Combine all elements of both
Routine Practices are used with ALL patients at ALL times in ALL healthcare settings.	
Your 4 moments for Hand Hygiene: <ol style="list-style-type: none">1) before patient/environment contact,2) before aseptic procedure,3) after body fluid exposure risk,4) after patient/environment contact	