

Antibiotic % Susceptibility Patterns: South Zone West Regional Data January 2011 to December 2012

(data derived from routine susceptibility tests performed by Lethbridge Regional Hospital)

SOUTH ZONE WEST LABORATORY ANTIBIOTIC SUSCEPTIBILITY PROFILE Jan 2011 to Dec 2012	Number Tested																										
		Ampicillin / Amoxicillin	Cefazolin	Cephalothin / Cephalexin	Ceftazidime	Ceftriaxone (non-Strep pneumoniae)	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Cefuroxime	Ciprofloxacin	Clindamycin	Cloxacillin	Erythromycin	Gentamicin	Gentamicin Synergy	Imipenem	Moxifloxacin	Nitrofurantoin (urine)	Penicillin (non-Strep pneumoniae)	Penicillin (oral)	Penicillin (IV meningitis)	Piperacillin	Tetracycline	Tobramycin	TMP/SMX	Vancomycin	
Campylobacter jejuni	144					98				91			99														
Citrobacter freundii	172	X	X	X	()	()			()	93			91				91							98	82		
Enterobacter aerogenes	116	X	X	X	()	()			()	99			100				12							100	98		
Enterobacter cloacae	246	X	X	X	()	()			()	97			99				32							99	93		
Enterococcus faecalis	62	100	X	X	X	X	X	X	X	78	X		X	84			98						X	X	100		
Enterococcus faecium	36	6	X	X	X	X	X	X	X	6	X		X	89			20						X	X	69		
Enterococcus sp (NOS)	1695	96	X	X	X	X	X	X	X	64	X		X	80			96						X	X	98		
Escherichia coli	8773	27	90	32		98				89			95				96						96	82			
Haemophilus influenzae	183	78				100			95			X													76		
Klebsiella oxytoca	248	X	48	12		98				98			99				72				X		99	97			
Klebsiella pneumoniae	1085	X	97	21		99				99			99				33				X		99	96			
Proteus mirabilis	455	66	82	68		96				87			97				X				X		98	83			
Pseudomonas aeruginosa	608	X	X	X	93	X			X	86			90		91						97	X	97				
Serratia marcescens	49	X	X	X	()	()			X	100			98											96	100		
Staphylococcus aureus MSSA (methicillin sensitive)	2517										82	100	79					22						98	100		
Staphylococcus aureus MRSA *(methicillin resistant)	498										55	0	19					0						98	100		
Staphylococcus Coag Negative - all	152				X						52	49	41					12						71	100		
Staphylococcus Coag Negative - blood cultures only	72				X						49	49	37					11						65	100		
Staphylococcus lugdunensis	26										86	97	86					91						100	100		
Streptococcus agalactiae Grp B	100	100									62		53					100									
Streptococcus pyogenes Grp A	30										86		82					100									
Streptococcus pneumoniae - all	98	91					97	92			84		82			99			80			82		79	100		
Streptococcus pneumoniae - blood & CSF	30						100	92					64							77				73	100		

X - Intrinsic resistance

() These organisms may produce inducible B-lactamases

+ Synergy with cell wall active antibiotics predicted from susceptibility to 500 mg/L gentamicin

* 16.5% of Staphylococcus aureus are MRSA (methicillin resistant)

Note: % susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism recovered from a given patient. Only those species with at least 30 isolates are included in the antibiogram.