

### Antibiotic % Susceptibility Patterns: South Zone West Regional Data January to December 2015

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

SOUTH ZONE WEST LABORATORY ANTIBIOTIC SUSCEPTIBILITY PROFILE January to December 2015		Number Tested	Ampicillin / Amoxicillin	Amoxicillin / Clavulanic acid	Cephalothin / Cephalixin	Cefazolin	Cefturoxime	Ceftriaxone	Ceftazidime	Ciprofloxacin	Erythromycin	Clindamycin	Gentamicin	Tobramycin	Gentamicin Synergy +	Imipenem	Nitrofurantoin (urine)	Cloxacillin	Penicillin	Piperacillin / Tazobactam	Tetracycline	TMP/SMX	Vancomycin		
Escherichia coli		4434	59	82	53	81		93		84			93	93			97						82		
Citrobacter freundii		82	R		R	R	( )	( )	( )	90			96	94			97							86	
Enterobacter aerogenes		67	R		R	R	( )	( )	( )	97			100	100			10							96	
Enterobacter cloacae		150	R		R	R	( )	( )	( )	99			100	100			37							95	
Klebsiella oxytoca		128	R			62		97		100			99	99			79							98	
Klebsiella pneumoniae		617	R	94		93		97		97			98	97			33							94	
Proteus mirabilis		256	66	95	75	73		96		89			95	95			R					R		85	
Pseudomonas aeruginosa		282	R		R	R	R		95	89			98	99		92					90	R			
Serratia marcescens <sup>1</sup>		40	R		R	R	R	( )	( )	95			100	95										95	
Haemophilus influenzae		97	70				96	100			R													79	
Enterococcus faecalis <sup>1</sup>		46	100		R	R	R	R	R	71		R	R	R	78		100						R	100	
Enterococcus faecium <sup>1</sup>		29	3		R	R	R	R	R	2		R	R	R	95		20						R	76	
Enterococcus sp (NOS)		864	93		R	R	R	R	R	67		R	R	R	82		94						R	94	
MSSA	methicillin sensitive	1270									82	84						100				98	99	100	
Staphylococcus aureus MRS	methicillin resistant	252									30	52						0				98	98	100	
Staphylococcus Coag Negative	Blood cultures	44							R		42	58						57				90	71	100	
Staphylococcus Coag Negati	all sites	101							R		37	55						43				94	60	100	
Staphylococcus lugdunensis <sup>1</sup>		35									86	86						100					97	100	
Streptococcus agalactiae	Grp B	60	100								44	51							100						
Streptococcus pyogenes	Grp sterile sites only	37									97	95							100						
Streptococcus pneumoniae <sup>1</sup>	Blood & CSF (meningitis breakpoint)	44						100												98				100	
	Other sites (oral PO breakpoints)	66						100			82	93								85		85	82		

R - Intrinsic resistance

( ) These organisms may produce inducible B-lactamases. Use of cephalosporins and B-lactam/beta lactam inhibitor combinations may result in clinical failure despite in vitro susceptibility

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

<sup>1</sup> Due to small number of annual isolates, analysis was performed using data obtained from Jan 1, 2014 to Dec 31, 2015

\*17% of Staphylococcus aureus are MRSA (methicillin resistant)