

South East Zone Hospitals – Medicine Hat, Brooks, Bassano, Bow Island, Oyen January 1 – December 31, 2015 Cumulative Antimicrobial Susceptibility Report (% Susceptible)

	No. of Isolates	Penicillin	Ampicillin/ Amoxicillin	Cloxacillin	Amoxicillin/ Clavulanate	Pip/Tazo	Cephalothin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	SXT	Meropenem	Ciprofloxacin	Nitrofurantoin (Urine)	Vancomycin	Gentamicin	Tobramycin	Tetracycline
<i>Enterococcus faecalis</i>	162		97												69 ^U	100 ^U	99			
<i>Staphylococcus aureus</i>	All	326		80				80			76	69	96				100			95
	MSSA ⁴	262		100				100			86	84	96				100			95
	MRSA ³	64		R				R			38	13	97				100			98
<i>Streptococcus</i> Group A ^{1,2}	70	100									83	84								
<i>Streptococcus</i> Group B ²	91	100									43	43					100			
<i>Escherichia coli</i>	822		65		87	97	54	93	98				81		85	96 ^U		94	95	
<i>Klebsiella pneumoniae</i>	52		R		96	98	94	96	98				94		98	42 ^U		96	96	
<i>Klebsiella oxytoca</i>	30		R		93	97	83	43	97				90		97	73 ^U		100	100	
<i>Proteus mirabilis</i>	31		90		100	100	97	77	100				97		97	R		100	100	
<i>Enterobacter species</i>	44		R				R	R					93		95	11 ^U		100	100	
<i>Pseudomonas aeruginosa</i>	71		R			91				97				85	96			99	100	

* These organisms can develop resistance to third-generation cephalosporins and piperacillin-tazobactam. Use of these agents is not recommended.

R Denotes that this species is inherently resistant to the antibiotic.

1 Susceptibility testing not routinely performed. Results based on all GAS isolated where susceptibility testing was indicated for treatment purposes.

2 Due to the small number of annual isolates, analysis was performed using data obtained during the 2 year period of January 1, 2014 – December 31, 2015

3 MRSA (Methicillin Resistant *Staphylococcus aureus*);

4 MSSA (Methicillin Resistant *Staphylococcus aureus*)

U Data for this antimicrobial/organism combination is applicable for use towards treatment of urinary tract infections only.

NOTE: Percent susceptible for each organism/antimicrobial combination was generated by including the first isolate only of that organism recovered from a given patient.