

South East Zone Hospitals – Medicine Hat, Brooks, Bassano, Bow Island, Oyen January 1 – December 31, 2014 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>	146		98												73 ^U	99 ^U	100			
<i>Staphylococcus aureus</i>	All	368		82				82			79	71	96				100			97
	MSSA	300		100				100			85	83	96				100			97
	MRSA	68		R				R			54	17	97				100			99
<i>Streptococcus</i> Group A	30	100									80	80								
<i>Streptococcus</i> Group B	53	100									43	38					100			
<i>Escherichia coli</i>	1068		60		85	96	58	88	94				80		86	93 ^U		94	95	
<i>Klebsiella pneumoniae</i>	156		R		97	98	91	95	97				94		97	44 ^U		100	100	
<i>Klebsiella oxytoca</i> ²	65		R		94	94	85	48	97				98		100	81 ^U		100	100	
<i>Proteus mirabilis</i> ²	74		80		100	100	92	69	95				85		95	R		96	97	
<i>Enterobacter species</i> ¹	42		R				R	R					95		97	91 ^U		100	100	
<i>Pseudomonas aeruginosa</i>	72					88				96				92	93			94	99	

* 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, 2013 – December 31, 2014

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.