

**South East Zone Hospitals – Medicine Hat, Brooks, Bassano, Bow Island, Oyen  
January 1 – December 31, 2016 Cumulative Antimicrobial Susceptibility Report (% Susceptible)**

	No. of Isolates	Penicillin	Ampicillin/ Amoxicillin	Cloxacillin	Amoxicillin/ Clavulanate	Pip/Tazo	Cephalexin (Urine)	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	SXT	Meropenem	Ciprofloxacin	Nitrofurantoin (Urine)	Vancomycin	Gentamicin	Tobramycin	Tetracycline
<i>Enterococcus faecalis</i>	221		100												68 <sup>U</sup>	100 <sup>U</sup>	100			
<i>Staphylococcus aureus</i>	All	348		78				78			77	65	95				100			94
	MSSA <sup>3</sup>	273		100				100			84	79	95				100			94
	MRSA <sup>4</sup>	75		R				R			52	12	95				100			95
<i>Streptococcus</i> Group A <sup>1,2</sup>	67	100									82	83								
<i>Streptococcus</i> Group B <sup>2</sup>	81	100									42	44					100			
<i>Escherichia coli</i>	954		56		58	95	96 <sup>U</sup>	91	98				79		85	98 <sup>U</sup>		94	94	
<i>Klebsiella pneumoniae</i>	170		R		98	96	99 <sup>U</sup>	97	99				94		100	51 <sup>U</sup>		100	100	
<i>Klebsiella oxytoca</i>	39		R		92	92	81 <sup>U</sup>	41	95				97		100	85 <sup>U</sup>		100	100	
<i>Proteus mirabilis</i>	47		83		98	100	98 <sup>U</sup>	77	100				85		91	R		98	98	
<i>Enterobacter</i> species <sup>*</sup>	55		R				R	R					95		95	45 <sup>U</sup>		100	100	
<i>Pseudomonas aeruginosa</i>	64		R			86				94				91	86			94	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, 2015 – December 31, 2016

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.