

Data derived from routine susceptibility tests performed by Alberta Precision Laboratories

		n	Penicillin (IV)	Ampicillin / Amoxicillin	Cloxacillin	Amoxicillin-Clavulanate (PO)	Piperacillin-Tazobactam	Cephalexin (urine)	Cefazolin	Ceftriaxone	Ceftazidime	Azithromycin	Clindamycin	Trimethoprim-Sulfamethoxazole	Vancomycin	Tetracycline <sup>b</sup>	Nitrofurantoin	Fosfomycin	Ciprofloxacin <sup>d,e</sup>	Levofloxacin	Gentamicin	Tobramycin	Ertapenem	Meropenem			
GP	<i>Enterococcus faecalis</i>	102		100					R	R	R		R	R	99	20 <sup>c</sup>	97		91 <sup>c</sup>								
	<i>Staphylococcus aureus</i>	All	395		80				80				84	95	100	96											
		MSSA	316		100				100					85	96	100	96										
		MRSA	80		R				R					80	95	100	96										
	<i>Staphylococcus lugdunensis</i>	37			91				91				91	97	100	94											
Group A <i>Streptococcus</i>	36	100						100	100		86 <sup>a</sup>	86	100	100													
GN	<i>Escherichia coli</i>	All	1328	62	86	94	93	88	94				81				99		81		93	94					
		ESBL	72	R				R	R	R	R			36				88	100	17		63	60	100	100		
	<i>Klebsiella oxytoca</i>	41	R	95	95	84	54	95					98				91		95		100	100					
	<i>Klebsiella pneumoniae</i> complex	133	R	97	96	94	95	95					93				50		95		96	97					
	<i>Proteus mirabilis</i>	33	76	97	100		73	100					85		R	R			97		91	97					
	<i>Pseudomonas aeruginosa</i>	31	R	R	100				R	100				R		R			94				100	R	100		

<sup>a</sup> As inferred from susceptibility to erythromycin

<sup>b</sup> Susceptibility to doxycycline can be inferred from susceptibility to tetracycline

<sup>c</sup> Urine isolates only

<sup>d</sup> Revised (2019) CLSI Enterobacterales interpretive criteria for susceptible are being used for the first time to calculate %S; these are  $\leq 0.25 \mu\text{g/mL}$  and  $\geq 26 \text{ mm}$  for ciprofloxacin. Previous CLSI interpretive criteria for susceptible were  $\leq 1 \mu\text{g/mL}$  and  $\geq 21 \text{ mm}$ 
<sup>e</sup> Revised (2019) CLSI *Pseudomonas aeruginosa* interpretive criteria for susceptible are being used for the first time to calculate %S; these are  $\leq 0.5 \mu\text{g/mL}$  and  $\geq 25 \text{ mm}$  for ciprofloxacin. Previous CLSI interpretive criteria for susceptible were  $\leq 1 \mu\text{g/mL}$  and  $\geq 21 \text{ mm}$ 
**Note 1:** Includes Banff Mineral Springs Hospital, Claresholm General Hospital, Canmore General Hospital, Didsbury District Hospital, High River Hospital, and Vulcan Community Health Centre Oilfields General Hospital, Okotoks Health & Wellness Centre, Strathmore District Hospital, and Vulcan Hospital

**Note 2:** Percent susceptible for each organism/antimicrobial combination was generated by including the first isolate of that organism recovered from a given patient during the time period analyzed.

**ABBREVIATIONS:** GP - Gram-positive; GN - Gram-negative; MSSA - methicillin-susceptible *Staphylococcus aureus*; MRSA - methicillin-resistant *Staphylococcus aureus*; ESBL - extended spectrum beta-lactamase; R - intrinsic resistance