

**Antibiotic % Susceptibility Patterns
South Health Campus
January - December 2019**

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 ^a	Nitrofurantoin	Fosfomycin	Ciprofloxacin ^{d,e}	Levofloxacin	Gentamicin	Tobramycin	Ertapenem	Meropenem		
GP	<i>Enterococcus faecalis</i>	73		100					R	R	R		R	R	100	21 ^b	100		85 ^b							
	<i>Staphylococcus aureus</i>	All	65		85				85				75	94	100	94										
		MSSA	55		100				100					82	95	100	93									
GN	<i>Escherichia coli</i>	153		52		80	80	80	71	80				73			94		60		90	92				
	<i>Klebsiella pneumoniae</i> complex	39		R		97	95		90	97				92			69 ^c		85		95	97				
	<i>Pseudomonas aeruginosa</i>	32		R		R	94			R	94			R		R			88			100	R	94		
	<i>Stenotrophomonas maltophilia</i> ^f	69		R		R	R			R	45			100						89	R	R	R	R		

^a Susceptibility to doxycycline can be inferred from susceptibility to tetracycline

^b Urine isolates only

^c Testing not performed for all isolates included. The %S statistic presented in the table is an adjusted estimate of %S based on the data available and an assumption that isolates not tested are susceptible.

^d 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 $\geq 21 \text{ mm}$
^e 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

^f *Stenotrophomonas maltophilia* results represent the whole Calgary in-patient population

Note: 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*; R - intrinsic resistance