

Antibiotic % Susceptibility
Alberta Children's Hospital
May -December 2023^a

Data derived from routine susceptibility tests performed by Alberta Precision Laboratories

	N	Cloxacillin	Cephalexin	Cefazolin	Clindamycin	Trimethoprim-sulfamethoxazole	Vancomycin	Tetracycline
Staphylococcus aureus (all)	71	82	81	81	90	86	100	94
MSSA	58	100	100	100	93	88	100	95

^aDue to launch of Connect Care in May 2023, data from Jan-April not included.

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: MSSA - methicillin-susceptible Staphylococcus aureus



ALBERTA PRECISION LABORATORIES

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Antibiotic % Susceptibility Patterns Alberta Children's Hospital January - December 2022

Data derived from routine susceptibility tests performed by Alberta Precision Laboratories

N		Penicillin (IV)	Ampicillin / Amoxicillin	Cloxacillin	Amoxicillin-Clavulanate	Piperacillin-Tazobactam	Cephalexin	Cefazolin	Cefixime	Ceftriaxone	Ceftazidime	Clindamycin	Trimethoprim-sulfamethoxazole	Vancomycin	Tetracycline ^c	Nitrofurantoin ^b	Ciprofloxacin	Gentamicin	Tobramycin	Ertapenem	Meropenem
Gram-positive																					
Enterococcus faecalis	37		100				R	R	R	R	R	R	R	100	22	100	95 ^b				
Staphylococcus aureus	All	98		86			86	86				88	88	100	96						
	MSSA	84		100			100	100				87	88	100	98						
Staphylococcus, coagulase-negative	31		42				42	42				61	68	100	87						
Streptococcus anginosus group ^d	39	100								100		87		100							
Gram-negative																					
Enterobacter cloacae complex ^{a,d}	31		R		R		R	R					97				97	100	100	97	100
Escherichia coli	45		42		76	76		62	73	76			78				58	96	98	100	100
Pseudomonas aeruginosa ^d	42		R		R	79			R	R	83		R		R		83	93	100	R	93

^a These organisms usually produce β -lactamase which can cause failure of 3rd generation cephalosporin therapy, despite in vitro susceptibility

^b Urine isolates only

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

^d Combined data (January - December 2021 and January - December 2022) due to the small number of isolates in 2022

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: MSSA - methicillin-susceptible Staphylococcus aureus; R - intrinsic resistance