

Anti-infective	Route	Dose*	Interval	Cost/day
Amoxicillin	PO	500 mg – 1 g	Q8H	\$0.27 – 0.54
Ampicillin	IV	2 g	Q4 – 6H	\$14.16 – 21.24
Amoxicillin / clavulanate	PO	875 / 125 mg	Q12H	\$1.11
	IV	1.2 – 2.2 g	Q8H	\$7.80-11.28
Cloxacillin	PO	500 mg – 1 g	Q6H	\$1.62-3.24
	IV	2 g	Q4H	\$26.10
Penicillin V	PO	300 mg	Q6H	\$0.89
Penicillin G	IV	3 million units	Q4H	\$15.88
Piperacillin/tazobactam	IV	3.375 – 4.5 g (use 4.5 g for <i>P.aeruginosa</i>)	Q6H	\$12.53 – 15.46
Cephalexin	PO	500 mg – 1 g	Q6H	\$0.57 – 1.04
Cefazolin	IV	2 g (use 3 g if BMI > 35)	Q8H	\$28.88
Cefuroxime	IV	1.5 g	Q8H	\$22.59
Cefuroxime axetil	PO	500 – 750 mg	Q12H	\$0.64 – 0.95
		2 g	daily	\$8.37
Ceftriaxone	IV	2 g (meningitis / CNS infection)	Q12H	\$16.74
		400 mg	daily	\$2.11
Ceftazidime	IV	2 g	Q8H	\$33.60
Meropenem ^R	IV	500 mg	Q6H	\$13.44
	IV	1 g (2 g meningitis / CNS infection)	Q8H	\$16.02-32.04
Ertapenem ^R	IV	1 g	daily	\$33.10
Imipenem / cilastatin ^R	IV	500 mg	Q6H	\$34.57
Ciprofloxacin**	PO	500 – 750 mg (use 750 mg for <i>P.aeruginosa</i>)	Q12H	\$0.32- 0.48
	IV	400 mg	Q12H	\$7.50
Levofloxacin**	PO	750 mg	daily	\$4.60
	IV	750 mg	daily	\$52.16
Moxifloxacin**	PO	400 mg	daily	\$0.51
	IV	400 mg	daily	\$15.70
Sulfamethoxazole / trimethoprim**	PO	800 / 160 mg	Q12H	\$1.16
	IV	800 / 160 mg (10 mL)	Q6H	\$69.20
Nitrofurantoin	PO	100 mg	Q12H	\$0.66
Fosfomycin ^R	PO	3 g	One dose	\$10.72
Gentamicin	IV	480 mg (7 mg/kg)	daily	\$82.96
Tobramycin	IV	480 mg (7 mg/kg)	daily	\$11.70
	PO	500 mg	daily x 3	\$0.33
Azithromycin	IV	500 mg	daily x 3	\$4.54
	PO	1 g	daily	\$2.39
Doxycycline	PO	100 mg	Q12H	\$0.40
Clindamycin**	PO	300 – 450 mg (use 450 mg for osteomyelitis)	Q6 – 8H	\$0.77 – 1.54
	IV	600 mg	Q8H	\$24.00
Vancomycin	IV	1 g (15 mg/kg)	Q8 – 12H	\$23.16 – 34.74
	PO	125 mg (capsule)	Q6H	\$14.73
Daptomycin ^R	IV	300 – 400 mg (4 – 6 mg/kg)	daily	\$32.00 – 42.66
Linezolid ^{R**}	PO	600 mg	Q12H	\$32.61
	IV	600 mg	Q12H	\$31.26
Metronidazole**	PO	500 mg (use Q8H for <i>C.difficile</i> infection)	Q8 – 12H	\$0.28 – 0.43
	IV	500 mg	Q12H	\$6.38
Amphotericin B	IV	50 mg	daily	\$93.19
Fluconazole**	PO	400 mg	daily	\$1.39
	IV	400 mg	daily	\$20.98
Voriconazole ^R	PO	200 mg	Q12H	\$3.26
	IV	200 mg	Q12H	\$43.34
Micafungin ^R	IV	100 mg	daily	\$83.00
Acyclovir	IV	750 mg	Q8H	\$21.15
Valacyclovir	PO	1 g	Q8H	\$1.45

*Based on a 70 kg adult with normal renal and hepatic function

**Agents with > 80% bioavailability – Use oral route whenever possible

NOTE: Automatic stop of antibiotics at 7 days (exception: azithromycin 3 days) –

Indicate on orders if longer duration required.

R – Restricted Antimicrobial – refer to the Inside Net /Clinical Resources/Pharmacy /Antimicrobial Stewardship Program Website: “Restricted and Non-formulary Antimicrobial Agents-Criteria for Use” or contact Pharmacy



Interior Health

Antibiogram 2022

Microbiologists:

Dr. E. Blondel-Hill	250-862-4300	Ext. 27257
Dr. A. Hadzic	250-862-4300	Ext. 23628
Dr. M. Rehan (RIH)	250-314-2100	Ext. 18819
Dr. B. Wang	250-862-4300	Ext. 29578
Dr. A. Wilmer	250-862-4300	Ext. 24430

For antibiotic spectrum of activity, empiric treatment guidelines and culture directed therapy, refer to www.bugsanddrugs.org

For Interior Health guidelines on the management of infectious diseases refer to

insideNet: Clinical Care Resources →

Pharmacy →

Antimicrobial Stewardship Program

Gram Positive Organisms • Interior Health – 2022

% Susceptible	# of Isolates	Amoxicillin	Ampicillin	Cefazolin	Ceftazoxone	Clindamycin	Cloxacillin	Erythromycin	Linezolid ^{NR}	Gent synergy	Nitrofurantoin ^U	Penicillin (IV)	Penicillin (oral)	Ciprofloxacin ^U	Doxycycline	Trimeth/Sulfa	Vancomycin
<i>Enterococcus faecalis</i>	977	100	100	R	R	R	R	R	R	89	99			85	R	R	100
<i>Enterococcus faecium</i>	200	R	R	R	R	R	R	R	R	99	66	R		R	R	R	72
<i>Aerococcus urinae</i>	157	99	99				R				99				R		
<i>Staphylococcus aureus</i>	4764			83			83		100					NR	96	94	100
<i>S.aureus (MRSA)</i>	820	R	R	R	R	R	R	R	100					NR	95	86	100
<i>S.aureus (MSSA)</i>	3942			100			100		100					NR	100	96	100
<i>Staph lugdunensis</i>	213			98			98		100					NR	100	99	100
<i>Staph epidermidis</i>	257			50			72	49	100					NR	87	74	100
<i>Streptococcus pneumoniae</i>	179	100			100	92		92				92 †	86	NR	73	81	100
<i>Strep agalactiae (Group B)</i>	1073	100	100		100	57		59				92 †	100	NR		R	100
<i>Strep pyogenes (Group A)</i>	1044	100	100		100	76		74				100	100	NR	48	R	100
<i>Strep anginosus group*</i>	181		98		100	85						100	100	NR			100
<i>Strep viridans group** (blood cultures)</i>	40				100							88					100

† Data based on meningitis

‡ Data based on non-meningitis breakpoints

* *Streptococcus anginosus* group includes: *Streptococcus anginosus*, *Streptococcus constellatus* and *Streptococcus intermedius*

** *Streptococcus viridans* group includes: *Streptococcus mitis* group, *Streptococcus mutans* group, *Streptococcus salivarius* group and *Streptococcus sanguinis* group

Legend

U urinary tract infections only

R inherent resistance

NR not recommended /poor activity

NF non-formulary, restricted to specific indications

Gram Negative Organisms • Interior Health – 2022

% Susceptible	# of Isolates	Ampicillin	Amox/Clav	Cephalax ^U	Ceftixime	Ceftazoxone	Ceftazidime	Ciprofloxacin	Fostomycin ^U	Gentamicin	Meropenem	Nitrofurantoin ^U	Pip / Tazo	Doxycycline	Tobramycin	Trimeth/Sulfa
<i>Citrobacter freundii</i> complex	264	R	R	R	R	R	R	R	88	94	100	95	R		94	89
<i>Citrobacter koseri</i>	160	R	95	R	97	98	NR	99	R	100	100	85	96		100	99
<i>Klebsiella aerogenes</i>	163	R	R	R	R	R	R	R	99	R	100	100	R		100	100
<i>Enterobacter cloacae</i> complex	514	R	R	R	R	R	R	R	96	R	99	100	R		99	95
<i>Escherichia coli</i>	11557	69	83		92	94	NR	80	98	95	100	98	92		95	86
<i>Klebsiella oxytoca</i> group	512	R	88	R	94	94	NR	97	R	99	100	83	91		98	94
<i>Klebsiella pneumoniae</i>	1374	R	90	R	96	96	NR	92	R	100	100	NR	93		99	96
<i>Morganella morganii</i>	193	R	R	R	R	R	R	R	86	R	95	100	R		96	88
<i>Proteus mirabilis</i>	630	75	93		98	98	NR	96	NR	95	100	R	98		96	90
<i>Serratia marcescens</i>	94	R	R	R	R	R	R	R	91	R	100	100	R		83	100
<i>Salmonella spp</i>	54	85		NR	93	94	NR	69	69	NR	100				NR	94
<i>Acinetobacter species</i>	45	R	R					92	R	100	98				100	100
<i>Pseudomonas aeruginosa</i>	969	R	R	R	R	R	R	93	89	R	98	92			R	99
<i>Stenotrophomonas maltophilia</i>	32														97	100

Miscellaneous Organisms • Interior Health – 2022

% Susceptible	# of Isolates	Amoxicillin	Ampicillin	Amoxicillin/Clavulanate	Azithromycin	Ceftazoxone	Cefuroxime	Ciprofloxacin	Clindamycin	Doxycycline	Meropenem	Metronidazole	Penicillin	Piperacillin/tazobactam	Trimeth/Sulfa	Vancomycin
<i>Bacteroides fragilis</i> group	56			90					50*		88	100	R	84		
<i>Campylobacter spp</i>	36				100			62							48	
<i>Haemophilus influenzae</i>	142	68	91			100	92		74							
<i>Cutibacterium acnes</i>	35	100				100			97		R	100				100

* Insufficient number of isolates tested in 2022. %S is based on 2021 data.

Yeast

Interior Health – 2022

% Susceptible	# of Isolates	Amphotericin B	Fluconazole	Micafungin
<i>Candida albicans</i>	32	100	99	100