

Anti-infective	Route	Dose*	Interval	Cost/day
Amoxicillin	PO	500 mg–1 g	Q8H	\$0.20-0.40
Ampicillin	IV	2 g	Q4–6H	\$14.16-21.24
Amoxicillin / clavulanate	PO	875 / 125 mg	Q12H	\$0.37
	IV	1.2–2.2 g	Q8H	\$7.80-11.28
Cloxacillin	PO	500 mg–1 g	Q6H	\$1.21-2.43
	IV	2 g	Q4H	\$26.10
Penicillin V	PO	300 mg	Q6H	\$0.89
Penicillin G	IV	3 million units	Q4H	\$17.45
Piperacillin / tazobactam	IV	3.375–4.5 g (use 4.5 g for <i>P.aeruginosa</i>)	Q6H	\$47.60-53.76
Cephalexin	PO	500 mg–1 g	Q6H	\$0.52-1.04
Cefazolin	IV	2 g (use 3 g if BMI > 35)	Q8H	\$23.94
Cefuroxime	IV	1.5 g	Q8H	\$22.59
Cefuroxime axetil	PO	500–750 mg	Q12H	\$0.64-0.95
		2 g	daily	\$9.10
Ceftriaxone		2 g (meningitis / CNS infection)	Q12H	\$18.20
			daily	\$0.95
Cefixime	PO	400 mg	daily	\$0.95
Ceftazidime	IV	2 g	Q8H	\$33.60
	IV	500 mg	Q6H	\$13.44
Meropenem ^R	IV	1 g (2 g meningitis / CNS infection)	Q8H	\$16.02-32.04
	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	\$0.15-0.26
	IV	400 mg	Q12H	\$7.50
Levofloxacin**	PO	750 mg	daily	\$0.71
	IV	750 mg	daily	\$52.16
Moxifloxacin**	PO	400 mg	daily	\$0.44
	IV	400 mg	daily	\$15.70
Sulfamethoxazole / trimethoprim**	PO	800 / 160 mg	Q12H	\$0.44
	IV	800 / 160 mg (10 mL)	Q6H	\$70.94
Nitrofurantoin	PO	100 mg	Q12H	\$0.85
Fosfomycin ^R	PO	3 g	One dose	\$11.50
Gentamicin	IV	480 mg (7 mg/kg)	daily	\$85.04
	IV	480 mg (7 mg/kg)	daily	\$11.70
Tobramycin	PO	500 mg	daily × 3	\$0.30
	IV	500 mg	daily × 3	\$4.54
Clarithromycin XL	PO	1 g	daily	\$0.97
Doxycycline	PO	100 mg	Q12H	\$0.15
Clindamycin**	PO	300–450 mg (use 450 mg for osteomyelitis)	Q6–8H	\$0.70-1.43
	IV	600 mg	Q8H	\$24.00
Vancomycin	IV	1 g (15 mg/kg)	Q8–12H	\$7.76-11.64
	PO	125 mg (capsule)	Q6H	\$15.72
Daptomycin ^R	IV	400-700 mg (6-10 mg/kg)	daily	\$44.66-74.66
Linezolid ^{R**}	PO	600 mg	Q12H	\$7.00
	IV	600 mg	Q12H	\$31.25
Metronidazole**	PO	500 mg (use Q8H for <i>C.difficile</i> infection)	Q8–12H	\$0.24-0.36
	IV	500 mg	Q12H	\$6.50
Amphotericin B	IV	50 mg	daily	\$93.19
	PO	400 mg	daily	\$1.52
Fluconazole**	IV	400 mg	daily	\$21.40
	PO	200 mg	Q12H	\$2.45
Voriconazole ^R	IV	200 mg	Q12H	\$43.34
	IV	100 mg	daily	\$39.38
Acyclovir	IV	750 mg	Q8H	\$21.15
Valacyclovir	PO	1 g	Q8H	\$1.12



Interior Health Antibiogram 2023

Microbiologists:

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Dr. A. Hadzic	250-862-4300	Ext. 23628
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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

*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

Gram Positive Organisms • Interior Health – 2023

% Susceptible	# of Isolates	Amoxicillin	Ampicillin	Cefazolin	Ceftriaxone	Clindamycin	Cloxacillin	Erythromycin	Linezolid ^{NR}	Gen ^U synergy	Nitrofurantoin ^U	Penicillin (IV)	Penicillin (oral)	Ciprofloxacin ^U	Doxycycline	Trimeth/Sulfa	Vancomycin
<i>Enterococcus faecalis</i>	1021	100	100	R	R	R	R	R	R	100	87	99	Penicillin (oral)	84		R	100
<i>Enterococcus faecium</i>	182	R	R	R	R	R	R	R	R	98	65	R		R		R	77
<i>Aerococcus urinae</i>	171	99	99				R					99				R	
<i>Staphylococcus aureus (All)</i>	5250			80		86	80		100					NR	98	93	100
<i>S.aureus (MRSA)</i>	1020	R	R	R	R	86	R		100					NR	92	86	100
<i>S.aureus (MSSA)</i>	4226			100		86	100		100					NR	100	94	100
<i>Staph lugdunensis</i>	195			95		92	95		100					NR		99	100
<i>Staph epidermidis</i>	309			45		74	49		100					NR	89	76	100
<i>Streptococcus pneumoniae</i>	238	100			100	93		68					80 †	NR	70	73	100
<i>Strep agalactiae (Group B)</i>	1040	100	100		100	55		60				100	100	NR			100
<i>Strep pyogenes (Group A)</i>	1295	100	100		100	76		73				100	100	NR	80		100
<i>Strep anginosus group*</i>	182		98		100	85						100	100	NR			100
<i>Strep viridans group**</i> (blood cultures)	54				98							77					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 – 2023

% Susceptible	# of Isolates	Ampicillin	Amox/Clav	Cephalexin ^U	Ceftaxime	Ceftazidime	Ciprofloxacin	Fostomycin ^U	Gentamicin	Meropenem	Nitrofurantoin ^U	Doxycycline	Tobramycin	Trimeth/Sulfa
<i>Citrobacter freundii</i> complex	299	R	R	R	R	R	R	90	97	100	94	R	96	90
<i>Citrobacter koseri</i>	193	R	96	R	99	99	NR	99	100	100	93	97	100	100
<i>Klebsiella aerogenes</i>	178	R	R	R	R	R	R	97	100	100	R	R	100	99
<i>Enterobacter cloacae</i> complex	530	R	R	R	R	R	R	94	99	99	R	R	99	94
<i>Escherichia coli</i>	11844	67	84		92	93	NR	78	95	100	98	92	95	85
<i>Klebsiella oxytoca</i> group	517	R	90	R	95	94	NR	98	99	100	92	92	99	97
<i>Klebsiella pneumoniae</i>	1498	R	90	R	94	95	NR	91	98	100	NR	92	98	93
<i>Morganella morganii</i>	179	R	R	R	R	R	R	84	95	100	R	98	94	84
<i>Proteus mirabilis</i>	673	77	95		98	98	NR	95	95	100	R	98	95	92
<i>Serratia marcescens</i>	129	R	R	R	R	R	R	97	98	99	R	R	78	99
<i>Salmonella</i> spp	84	90		NR	96	98	NR	61	NR	100			NR	95
<i>Pseudomonas aeruginosa</i>	1008	R	R	R	R	R	R	89	97	95			93	R
<i>Stenotrophomonas maltophilia</i>	32													R

Miscellaneous Organisms • Interior Health – 2023

% Susceptible	# of Isolates	Amoxicillin	Ampicillin	Amoxicillin/clavulanate	Azithromycin	Ceftriaxone	Cefturoxime	Ciprofloxacin	Clindamycin	Doxycycline	Meropenem	Metronidazole	Penicillin	Piperacillin/tazobactam	Trimeth/Sulfa	Vancomycin
<i>Actinotignum schalii</i>	32	100	100			100		R							R	
<i>Bacteroides fragilis</i> group	44			67							92	100	R	84		
<i>Campylobacter</i> spp	34							66								
<i>Haemophilus influenzae</i>	199	72	93		100	97				82						
<i>Cutibacterium acnes</i>	45	100	100	100	100	100		100					R	100		100

Yeast

Interior Health – 2023

% Susceptible	# of Isolates		
	Amphotericin B	Fluconazole	Micafungin
<i>Candida albicans</i>	41	100	100