Table 8. Adult parenteral antimicrobial dosage guidelines

Antibiotic	Usual Dosages ^a
ANTIBACTERIAL AGENTS	
Penicillins	
ampicillin	1-2 g q4-6h
cloxacillin	2 g q4-6h
penicillin G	2-4 million units q4-6h
piperacillin-tazobactam	3.375 g q6h
meropenem	500 mg q6h
Cephalosporins	
cefazolin	1-2 g q8h
cefoxitin	1-2 g q6-8h
cefuroxime	0.75-1.5 g q8h
ceftriaxone	1-2 g q24h
ceftazidime	1-2 g q8h
Fluoroquinolones	
ciprofloxacin	400 mg q12h
levofloxacin	500-750 mg q24h
moxifloxacin	400 mg q24h
Macrolides	· · · ·
azithromycin	500 mg q24h
Aminoglycosides	
gentamicin or tobramycin	80 mg q8h
Others	· · ·
clindamycin	600 mg q8h
cotrimoxazole (TMP-SMX)	10-20 mg/kg/day trimethoprim in divided doses q6-8h
metronidazole	500 mg q8h
vancomycin	1 g q12h or 15 mg/kg q12h
ANTIFUNGAL AGENTS	· · · · · · · · · · · · · · · · · · ·
amphotericin B	0.5-1 mg/kg q24h
fluconazole	100-400 mg q24h
caspofungin	70 mg load then 50 mg q24h
ANTIVIRAL AGENTS	
acyclovir	5-10 mg/kg/dose q8h
ganciclovir	5 mg/kg/dose q12h

^a Based on normal renal function in a 70 kg patient.

Table 9. Parenteral to oral conversion suggestions

D	Out The second sectors the
Parenteral Drug	Oral Therapy Options ^a
ANTIBACTERIAL AGENTS	
Penicillins	
ampicillin	amoxicillin
cloxacillin	cloxacillin or cephalexin
penicillin G	penicillin V
piperacillin-tazobactam	amoxicillin-clavulanate or cotrimoxazole (TMP-SMX) +/- metronidazole or ciprofloxacin +/- metronidazole
Cephalosporins	
cefazolin	cephalexin or cloxacillin
cefoxitin	cephalexin + metronidazole or cotrimoxazole + metronidazole or amoxicillin-clavulanate
cefuroxime	cotrimoxazole or amoxicillin-clavulanate or azithromycin/clarithromycin
ceftriaxone	amoxicillin-clavulanate or cephalexin or ciprofloxacin/levofloxacin/moxifloxacin
ceftazidime	ciprofloxacin
Fluoroquinolones	
ciprofloxacin	ciprofloxacin
levofloxacin	levofloxacin
moxifloxacin	moxifloxacin
Macrolides	
azithromycin	azithromycin
Others	· · ·
clindamycin	cloxacillin +/- metronidazole or cephalexin +/- metronidazole or clindamycin
ANTIFUNGAL AGENTS	
fluconazole	fluconazole
ANTIVIRAL AGENTS	
acyclovir	acyclovir or valacyclovir

^a Patients should be clinically stable, demonstrate clinical improvement, and be able to tolerate oral feeding and medications. Selection of oral therapy should be based on cultures and sensitivities. In absence of useful cultures, oral therapy may be selected based on potential pathogens, community- versus hospital-acquired infection, pharmacokinetics, spectrum of activity, and cost of each oral agent. Oral agents listed above represent those currently on the WRHA Formulary and does not represent all commercially available oral agents.

Table 10. Adult dosing recommendations in renal impairment^a

Drug	ug Creatinine Clearance (CrCl) in mL/min ^b (suggested dosage adjustment based on normal dose)							
Penicillins								
ampicillin	> 30	10-30	< 10					
	(q6h)	(q6-12h)	(q12h)					
cloxacillin		NO CHANGE						
penicillin	> 50	10-50	< 10					
	(q4-6h)	(q6-8h)	(20-50% of usual dose) ^a					
piperacillin-	> 40	20-40	< 20					
tazobactam	(q6h)	(q8h)	(q12h)					
Carbapenems	T	1	r	I				
meropenem	> 50	30-49	10-29	< 10				
0	(q6h)	(q8h)	(q12h)	(q24h)				
Cephalosporins		10.50	10	1				
cefazolin	> 50 (q8h)	10-50 (g12b)	< 10 (q24h)					
cefoxitin	> 30	(q12h) 10-30	(q24n) < 10					
Geloxiun	> 30 (q6-8h)	(q12-24h)	< 10 (q24h)					
cefuroxime	> 20	10-20	< 10					
Celuloxime	(q8h)	(q12h)	(q24h)					
ceftriaxone	(4+)		NECESSARY					
ceftazidime	> 50	30-50	10-30	< 10				
ocitazianno	(q8h)	(q12h)	(q24h)	(50% q24-48h)				
Aminoglycosides	1 (1-7							
gentamicin/ tobramycin/ amikacin Fluoroquinolones	Contac	t the Pharmacist at you	r facility for dosing ass	istance				
ciprofloxacin	> 30	< 30						
	(q12h)	(q24h)						
levofloxacin	(q12h) > 50	(q24h) 20-49	10-19					
		20-49 (500 mg load,	(500 mg load,					
(e.g. CAP)	> 50	20-49 (500 mg load, then 50% q24h)	(500 mg load, then 50% q48h)					
(e.g. CAP) moxifloxacin	> 50	20-49 (500 mg load,	(500 mg load, then 50% q48h)					
(e.g. CAP) moxifloxacin Macrolides	> 50	20-49 (500 mg load, then 50% q24h) NO CHANGE	(500 mg load, then 50% q48h) NECESSARY					
(e.g. CAP) moxifloxacin Macrolides azithromycin	> 50	20-49 (500 mg load, then 50% q24h)	(500 mg load, then 50% q48h) NECESSARY					
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents	> 50 (q24h)	20-49 (500 mg load, then 50% q24h) NO CHANGE NO CHANGE	(500 mg load, then 50% q48h) NECESSARY NECESSARY					
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents	> 50 (q24h)	20-49 (500 mg load, then 50% q24h) NO CHANGE NO CHANGE 20-50	(500 mg load, then 50% q48h) NECESSARY NECESSARY < 20					
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents	> 50 (q24h)	20-49 (500 mg load, then 50% q24h) NO CHANGE NO CHANGE	(500 mg load, then 50% q48h) NECESSARY NECESSARY < 20 (25% of usual					
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole	> 50 (q24h)	20-49 (500 mg load, then 50% q24h) NO CHANGE NO CHANGE 20-50 (50% q24h)	(500 mg load, then 50% q48h) NECESSARY NECESSARY < 20 (25% of usual dose q24h)					
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole caspofungin	> 50 (q24h)	20-49 (500 mg load, then 50% q24h) NO CHANGE NO CHANGE 20-50	(500 mg load, then 50% q48h) NECESSARY NECESSARY < 20 (25% of usual dose q24h)					
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole caspofungin Antiviral Agents	> 50 (q24h) > 50 (q24h)	20.49 (500 mg load, then 50% q24h) NO CHANGE 20.50 (50% q24h) NO CHANGE	(500 mg load, then 50% q48h) NECESSARY NECESSARY < 20 (25% of usual dose q24h) NECESSARY					
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole caspofungin Antiviral Agents acyclovir	> 50 (q24h) > 50 (q24h) > 50 (q24h) > 50 (q8h)	20-49 (500 mg load, then 50% q24h) NO CHANGE 20-50 (50% q24h) NO CHANGE 25-50 (q12h)	(500 mg load, then 50% q48h) NECESSARY < 20 (25% of usual dose q24h) NECESSARY 10-25 (q24h)	< 10 (50% q24h)				
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole caspofungin Antiviral Agents acyclovir ganciclovir	> 50 (q24h) > 50 (q24h) (q24h) (q24h) > 50 (q24h) (q8h) 50-69	20-49 (500 mg load, then 50% q24h) NO CHANGE 20-50 (50% q24h) NO CHANGE 20-50 (q12h) 25-49	(500 mg load, then 50% q48h) NECESSARY NECESSARY < 20 (25% of usual dose q24h) NECESSARY 10-25 (q24h) 10-25	(50% q24h) < 10				
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole caspofungin Antiviral Agents acyclovir ganciclovir (induction doses)	> 50 (q24h) > 50 (q24h) > 50 (q24h) > 50 (q8h)	20-49 (500 mg load, then 50% q24h) NO CHANGE 20-50 (50% q24h) NO CHANGE 25-50 (q12h)	(500 mg load, then 50% q48h) NECESSARY < 20 (25% of usual dose q24h) NECESSARY 10-25 (q24h)	(50% q24h)				
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole caspofungin Antiviral Agents acyclovir ganciclovir (induction doses) Miscellaneous	> 50 (q24h) > 50 (q24h) (q24h) (q24h) > 50 (q24h) (q8h) 50-69	20-49 (500 mg load, then 50% q24h) NO CHANGE 20-50 (50% q24h) NO CHANGE 25-50 (q12h) 25-59 (q12h) 25-49 2.5 mg/kg q24h	(500 mg load, then 50% q48h) NECESSARY <20 (25% of usual dose q24h) NECESSARY 10-25 (q24h) 10-25 1.25 mg/kg q24h	(50% q24h) < 10				
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole caspofungin Antiviral Agents acyclovir ganciclovir (induction doses) Miscellaneous clindamycin	> 50 (q24h) > 50 (q24h) (q24h) (q24h) > 50 (q24h) (q8h) 50-69	20-49 (500 mg load, then 50% q24h) NO CHANGE 20-50 (50% q24h) NO CHANGE 25-50 (q12h) 25-49 2.5 mg/kg q24h NO CHANGE	(500 mg load, then 50% q48h) NECESSARY < 20 (25% of usual dose q24h) NECESSARY 10-25 (q24h) 10-25 1.25 mg/kg q24h NECESSARY	(50% q24h) < 10				
(e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole caspofungin Antiviral Agents acyclovir ganciclovir (induction doses) Miscellaneous clindamycin	> 50 (q24h) > 50 (q24h) > 50 (q24h) > 50 (q8h) 50-69 2.5 mg/kg q12h	20-49 (500 mg load, then 50% q24h) NO CHANGE 20-50 (50% q24h) NO CHANGE 25-50 (q12h) 2.5 mg/kg q24h NO CHANGE NO CHANGE	(500 mg load, then 50% q48h) NECESSARY C20 (25% of usual dose q24h) NECESSARY 10-25 (q24h) 10-25 1.25 mg/kg q24h NECESSARY NECESSARY NECESSARY	(50% q24h) < 10 1.25 mg/kg 3x/wk				
levofloxacin (e.g. CAP) moxifloxacin Macrolides azithromycin Antifungal Agents fluconazole caspofungin Antiviral Agents acyclovir ganciclovir (induction doses) Miscellaneous coltinoxazole cotrimoxazole (TMP-SMX)	> 50 (q24h) > 50 (q24h) (q24h) (q24h) > 50 (q24h) (q8h) 50-69	20-49 (500 mg load, then 50% q24h) NO CHANGE 20-50 (50% q24h) NO CHANGE 25-50 (q12h) 25-49 2.5 mg/kg q24h NO CHANGE	(500 mg load, then 50% q48h) NECESSARY C20 (25% of usual dose q24h) NECESSARY 10-25 (q24h) 10-25 1.25 mg/kg q24h NECESSARY NECESSARY NECESSARY	(50% q24h) < 10 1.25 mg/kg 3x/wk				

^a Suggested dosages – for individualized dosage modifications or more information contact the Pharmacy Department at your facility.

^b To estimate creatinine clearance (CL_{cR}) (mL/min) use the following calculation normalized for a 72 kilogram person. CL_{CR} male = (140-age) x 88.4 CL_{CR} female = 0.85 x CL_{CR} male

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S<sub>CR</sub> (µmoles/L)
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^c Monitor serum concentrations.

For further information contact:



Concordia Hospital Antibiogram for 2021 (Based on data from 2020)

Provided by: Shared Health, Clinical Microbiology Discipline

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DISCLAIMERS

This guide is provided as an educational resource for physicians and other healthcare professionals caring for patients at the Concordia General Hospital. The authors of the guide have made every effort to ensure that the information contained in it was accurate at the time of publication. Users of the guide are encouraged to consult other references to confirm the information presented in it. The authors are not responsible for errors, omissions, inaccuracies, or the continued completeness of the information contained in the guide. The information in the guide should not be used or relied upon to replace the skill and professional judgment required to determine appropriate patient care and treatment. Also, the guide is not intended to replace or to be used as a substitute for the complete prescribing information prepared by each pharmaceutical manufacturer for their anti-infective agents. Because of possible changes in anti-infective indications, changes in dosage information, differences in patients' responses to therapy, newly described toxicities, drug-drug interactions, and other items of importance, reference to complete prescribing information is recommended before any of the anti-infective agents described in the guide are used.

HOW TO USE THE ANTIBIOGRAM PORTION OF THE GUIDE (Tables 1-6)

- The information presented in the antibiogram is intended only to guide initial empiric anti-infective agent therapy at the Concordia General Hospital.
- Initial broad-spectrum empiric therapy should be focused to the most appropriate narrow-spectrum agent(s) based on the laboratory identification of pathogen(s) and known susceptibility patterns/results, if the situation permits.
- Consideration should be given to equally efficacious but less expensive anti-infective agents for empiric therapy or when streamlining of therapy is desired, if the situation permits.

SUGGESTED CRITERIA FOR IV TO ORAL ANTIBIOTIC CONVERSION IN ADULTS

- Clinical improvement of infectious signs and symptoms (e.g., temperature defervescence, decreased white blood cell count).
- Patient is clinically stable (excludes patients in the intensive care unit, patients with febrile neutropenia, or patients with life threatening infections).
- · Patient can tolerate oral feeding and medications (bowel sounds, no diarrhea/nausea/ vomitina).
- For rapid step-down, choose agents with high bioavailability (e.g., clindamycin, cotrimoxazole (TMP-SMX), fluoroquinolones).
- If anti-infective agent susceptibilities are known, anti-infective therapy should be tailored based on available data.

Table 1. In vitro activity of selected anti-infective agents tested against Gram-negative bacillia

		Percent Susceptible													
Organism (number tested): January through December 2020 = Not tested, not routinely reported, or not recommended	Ampicillin	Amoxicillin- Clavulanate	Piperacillin- Tazobactam	Cefazolin	Cephalexin ^b	Cefuroxime	Ceftriaxone	Ceftazidime	Ertapenem	Meropenem	Gentamicin	Tobramycin	Ciprofloxacin	Trimethoprim- Sulfamethoxazole	Nitrofurantoin°
Citrobacter spp. (55)			84				67	71	98	100	82	84	76	80	95
Enterobacter cloacae complex (68)			79				78	81	87	100	93	91	84	78	41
Escherichia coli (46) systemic	37	78	100	37			76	80	100	100	89	85	54	65	
Escherichia coli (616) urine	57	85	97	63	n.d.		90	92	100	100	91	91	62	73	96
Haemophilus influenzae (75)d	65	n.d.				97								64	
Klebsiella pneumoniae (88)		93	92	86	n.d.		93	93	100	100	99	99	88	91	30
Klebsiella/Raoultella spp. (44)e		89	91	7			93	98	100	100	95	95	95	95	86
Proteus mirabilis (55)	82	100	100	n.d.	n.d.		100	100	100	100	96	93	85	82	
Pseudomonas aeruginosa (98)			94					95		96	99	100	92		

a Isolates tested and reported are from all sources combined, with the exception of Escherichia coli (subdivided into systemic isolates and urine isolates); isolates were collected from Jan 1 to Dec 31, 2020 with the exception of Enterobacter cloacae complex. Citrobacter spp. and Klebsiella/Raoultella spp. (collected from Jan 2019 to Dec 2020); data compiled according to the recommendations of the Clinical and Laboratory Standards Institute (CLSI) in their document M39-A4 (2014).

- ^b Cephalexin is only indicated for the treatment of uncomplicated lower urinary tract infections.
- Nitrofurantoin is only indicated for acute cystitis.
- ^d H. influenzae data obtained from isolates tested at Health Sciences Centre, Jan 1 to Dec 31, 2017. Sixty-one isolates were tested for Cefuroxime and 69 isolates were tested for Trimethoprim-Sulfamethoxazole
- ^e The current laboratory identification system is unable to differentiate Klebsiella oxytoca from Raoultella spp. n.d. = no data - absence of data for certain drug-organism combinations reflects limitations of the testing method currently
- used by Shared Health Clinical Microbiology laboratories.

Table 2. In vitro activity of selected anti-infective agents tested against Gram-positive coccia

						Perc	ent S	uscep	tible					
Organism (number tested): January through December 2020 Not tested, not routinely reported, or not recommended	Penicillin	Ampicillin	Oxacillin ^b	Vancomycin	Daptomycin	High-Level Gentamicin∘	High-Level Streptomycin ^c	Erythromycin^d	Clindamycin	Trimethoprim- Sulfamethoxazole	Rifampin ^e	Linezolid	Tetracycline	Nitrofurantoin ^f
Enterococcus spp. (197)		94		99	n.d.	76	79					n.d.		90
Staphylococcus aureus (322)			69	100	100			60	82	99	100	100	96	100
Staphylococcus epidermidis (53)			42	100	100			36	68	72	100	100	83	98
Staphylococcus lugdunensis (36)			100	100	100			97	97	100	100	100	97	100
Streptococcus pyogenes (n.a.) ^g (Group A Streptococcus)	100													
Streptococcus agalactiae (162) ^h (Group B Streptococcus)	100			100					60					

- ^a Isolates tested and reported are from all sources (surveillance isolates excluded); isolates were collected from Jan 1 to Dec 31, 2020: data compiled according to the recommendations of the Clinical and Laboratory Standards Institute (CLSI) in their document M39-A4 (2014).
- ^b Oxacillin accurately predicts the activity of all semi-synthetic penicillins, including cloxacillin, beta-lactam/beta-lactamase inhibitor combinations, cephalosporins, and carbapenems for Staphylococcus aureus and coagulase-negative staphylococci,
- ^c Susceptibility to high-level gentamicin or high-level streptomycin indicates that these agents can be used in combination with a cell wall active agent (e.g., ampicillin or vancomycin) for synergy. Gentamicin and streptomycin should never be used alone as treatment for Enterococcus spp.
- ^d Erythromycin activity predicts the activity of azithromycin and clarithromycin for staphylococci and streptococci.
- Rifampin should NOT be used alone as treatment for infection.
- ^f Nitrofurantoin is indicated for acute cystitis only.
- 9 n.a. = not applicable Susceptibility testing of Streptococcus pyogenes is not routinely performed as 100% are susceptible to penicillin. If treating infection in a penicillin allergic patient, contact the lab for testing of second line agents.
- Streptococcus agalactiae isolates were obtained from vaginal/rectal swabs submitted for Group B Streptococcus detection to the Health Sciences Centre, St. Boniface Hospital, and Westman Laboratory in 2012.

n.d. = no data - absence of data for certain drug-organism combinations reflects limitations of the testing method currently used by Shared Health Clinical Microbiology laboratories.

Table 3. In vitro activity of selected anti-infective agents tested against Streptococcus pneumoniaea

				Percent S	usceptible			
Infection Type (number tested) = Not tested, not routinely reported, or not recommended	Penicillin (oral)	Penicillin (intravenous)	Ceftriaxone	Vancomycin	Levofloxacin	Clarithromycin	Doxycycline	Trimethoprim- Sulfamethoxazole
Systemic Isolates (Blood + CSF)b								
Meningitis (180)		83	96	100				86
Non-Meningitis infection (180)	83	98	99	100	99	68	92	86
Respiratory Isolates ^c								
Non-Meningitis infection (40)	78	95	98	100	100	68	83	80

^a For Streptococcus pneumoniae, different susceptibility breakpoints for penicillin and ceftriaxone exist depending on whether meningitis or a non-meningitis infection is being treated [CLSI, M100, 30th edition]. For penicillin, when treating a non-meningitis infection different breakpoints exist for oral and intravenous dosing. For non-meningitis infections, susceptibility to oral penicillin predicts susceptibility to amoxicillin. Oral agents are not appropriate for the treatment of bacterial meningitis.

- Systemic isolates were obtained from patients across Manitoba as part of the SAVE Study between January and December, 2017. CSF = cerebrospinal fluid.
- ^c Respiratory isolates were obtained from patients at the Health Sciences Centre (HSC) and St. Boniface Hospital (SBH) between January and December, 2018.

Table 4. In vitro activity of selected anti-infective agents tested against Methicillin-Susceptible and Methicillin-Resistant Staphylococcus aureus isolates^a

		Percent Susceptible							
Organism (number tested) = Not tested, not routinely reported, or not recommended	Oxacillin ^b	Vancomycin	Trimethoprim- Sulfamethoxazole	Erythromycin	Clindamycin	Tetracycline	Linezolid	Daptomycin	
Methicillin-Susceptible Staphylococcus aureus (221)	100		99	75	79	97			
Methicillin-Resistant Staphylococcus aureus (108)	0	100	100	29	88	94	100	100	

a Isolates tested and reported are from all sources (surveillance isolates excluded), Jan to Dec, 2020; data compiled according to the recommendations of the Clinical and Laboratory Standards Institute (CLSI) in their document M39-A4 (2014).

^b Oxacillin accurately predicts the activity of all semi-synthetic penicillins, including cloxacillin, beta-lactam/beta-lactamase

inhibitor combinations, cephalosporins, and carbapenems for Staphylococcus aureus.

Table 5. In vitro activity of selected anti-infective agents tested against anaerobic isolates collected from hospitals in Winnipega

		Percent Susceptible								
Organism (number tested) = Not tested, not routinely reported, or not recommended	Penicillin	Amoxicillin- Clavulanate	Piperacillin- Tazobactam	Cefoxitin	Clindamycin	Meropenem	Metronidazole			
Bacteroides spp. (256)		91	n.d.	83	48	95	99			
Bacteroides fragilis (74)		94	97	91	57	96	99			
Bacteroides ovatus (37)		80	n.d.	64	51	89	97			
Bacteroides thetaiotaomicron (37)		97	n.d.	56	24	100	100			
Bacteroides fragilis group (74)		88	n.d.	92	45	95	100			

a Isolates were obtained from WRHA hospitals between Jan 2015 and July 2016; data compiled according to the recommendations of the Clinical and Laboratory Standards Institute (CLSI) in their document M39-A4 (2014).

n.d. = no data - absence of data for certain drug-organism combinations reflects limitations of the testing method currently used by Shared Health Clinical Microbiology laboratories.

Table 6. In vitro activity of selected anti-fungal agents tested against Candida species collected from hospitals in Winnipega

Candid Candid

^a Data obtained by testing a random sample of C. albicans and C. glabrata isolates from Health Sciences Centre and St. Boniface Hospital, collected between Jan 2017 and Dec 2018, Susceptibility interpretations are based on updated CLSI breakpoints (M60, 1st Edition). Isolates tested and reported are from blood only. ^b For fluconazole, there is only a susceptible-dose dependent (SDD) breakpoint for C. glabrata. The percentage of C. glabrata isolates that tested SDD to fluconazole was 91%. Susceptibility of SDD isolates to fluconazole is dependent on achieving the maximum blood level possible (i.e., should use the maximum dosage regimen). Consultation with infectious diseases is recommended for further guidance.

Table 7. Adult oral antimicrobial dosage guidelines

ANTI

Penic amo amo clox peni Cepha cept Macro azith clari Fluoro cipro levof moxi Other clind cotri doxy nitro

metr ANTIF flucon

itracor ANTI

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valacy

	Pe	ercent Susceptib	ole
Organism (number tested)	Fluconazole ^b	Voriconazole	Micafungin
Candida albicans (33)	100	100	100
Candida glabrata (34)	91	n.d.	97

n.d. = breakpoints have not been defined for voriconazole versus C. alabrata.

Antibiotic	Usual Dosages	Cost (\$) per day ^a
BACTERIAL AGENTS		
cillins		
oxicillin	500 mg tid	1.10
oxicillin-clavulanate	500 mg tid or 875 mg bid	2.75-3.00
kacillin	500 mg qid	1.50
icillin V	300 mg qid	0.30
alosporins		
halexin	500 mg qid	1.80
olides		
hromycin	250-500 mg daily	1.25-2.50
ithromycin	250-500 mg bid	2.25-3.25
roquinolones		
ofloxacin	250-750 mg bid	1.40-2.50
ofloxacin	500-750 mg daily	3.50-6.50
xifloxacin	400 mg daily	1.50
rs		
damycin	450-600 mg tid	1.50-3.00
imoxazole (TMP-SMX)	1 DS (double strength) tab bid	0.25
ycycline	100 mg bid	1.30
ofurantoin (Macrobid®)	100 mg bid	1.50
tronidazole	500 mg tid	0.35
FUNGAL AGENTS		
nazole	100-400 mg daily	5.55-22.20
onazole	200-400 mg daily	8.00-16.00
VIRAL AGENTS		
ovir	200-800 mg 5x/day	5.00-16.00
yclovir	1 g tid	5.25

^a Approximate cost per inpatient day excluding dispensing costs as of February 2017 based on the Manitoba Drug Interchangeability Formulary and Manufacturer's List Prices. Prices have been rounded.