

Preserved ANTIMICROBIALS REQUIRING Appropriate Rationale and Indication for Override and ID Approval

- Anidulafungin
- Amikacin
- Amphotericin B Liposomal
- Aztreonam
- Ceftazidime/ Avibactam
- Colistimethate
- Daptomycin
- Ertapenem
- Fidaxomicin
- Linezolid
- Meropenem
- Polymyxin B

Prescribing Considerations:

- Aztreonam reserved for patients with severe B-lactam allergy (alt: Cefepime)
- Nitrofurantoin for uncomplicated UTI only

Inappropriate Use of Vancomycin:

- Routine surgical prophylaxis
- Treatment of a single positive blood culture for coagulase negative staphylococci
- Eradication of MRSA colonization

Fluoroquinolone use should be avoided in the following:

- Patients with increased risk of aortic aneurysm, rupture, or dissection
- Patients with history of tendonitis or tendon ruptures
- Elderly patients due to increased side effects and hepatotoxicity
- Certain uncomplicated infections (i.e., UTI due to increased E. Coli Resistance)

Antibiotic Dosing Based on Normal Renal Function

(Pharmacist will renally adjust as appropriate, according to renal dosing policy)

Antimicrobials	Usual Dose per indication		
Acyclovir IV	HSV Suppression = 2.5 mg/kg q8h	HSV Treatment = 5 mg/kg q8h	Herpes Zoster or Encephalitis = 10 mg/kg q8h
Acyclovir PO	HSV Suppression = 400 mg q12h	HSV Treatment = 400 mg three times daily	Herpes Zoster or Encephalitis = 800 mg five times daily
Amoxicillin PO	Pneumonia = 1 gm q8h Systemic Infection = 500 mg q8h		
Amoxicillin/clavulanate PO	875 mg q12h		
Ampicillin IV	Systemic Infection = 2 gm q6h	Bloodstream/Endocarditis/CNS Infection = 2 gm q4h	
Ampicillin/sulbactam IV	Systemic Infection = 3 gm q6h	Acinetobacter Infection = Contact ID physician/ pharmacy for dosing assistance. Sulbactam is the active component. Higher than typical doses may be indicated for this pathogen.	
Aztreonam IV	Systemic Infection = 2 gm q8h	CNS Infection = 2 gm q6h	
Cefazolin IV	Systemic Infection = 2 gm q8h	Cystitis (lower urinary tract infection) = 1 gm q8h	
Cefdinir PO	300 mg q12h		
Cefepime IV	Systemic Infection = 2 gm q8h	Cystitis (lower urinary tract infection) = 1 gm q8h	
Cefoxitin IV	2 gm q6h		
Ceftazidime IV	2 gm q8h		
Ceftriaxone IV	Systemic Infection = 2 gm daily	Cystitis (lower urinary tract infection) = 1 gm daily	
Cephalexin PO	Systemic Infection = 500 mg q6h	Cystitis (lower urinary tract infection) = 500 mg q12h	
Ciprofloxacin IV	Systemic Infection = 400 mg q8h	Cystitis (lower urinary tract infection) = 400 mg q12h	
Ciprofloxacin PO	Systemic Infection = 750 mg q12h	Cystitis (lower urinary tract infection) = 500 mg q12h	
Daptomycin IV	Skin & Soft Tissue/ Urinary Tract Infection = 4 mg/kg q24h	Bacteremia/ Endocarditis = 6 mg/kg q24h	VRE Bacteremia/Endocarditis = 10 mg/kg q24h
Fluconazole IV/PO	Oropharyngeal Thrush/ Urinary Tract Infection = 200 mg q24h	Invasive Candida Infection = 800 mg x1, followed by 400 mg q24h	Candida glabrata Infection = 800 mg q24h
Levofloxacin IV/PO	Systemic Infection = 750 mg q24h	Cystitis (lower urinary tract infection) = 500 mg q24h	
Meropenem IV	Systemic Infection = 500 mg q6h		
Penicillin G IV	Standard/ Maximum Dose/ Endocarditis/Necrotizing Fasciitis/ Toxic Shock Syndrome = 4 million units q4h	Reduced Dose (Highly Penicillin-Sensitive Organisms; MIC ≤ 0.12 mcg/mL)/ Endocarditis = 2 million units q4h	
Piperacillin/tazobactam IV*	4.5 gm q8h (*Extended Interval Dosing utilized, excluding ER, OR)		
Sulfamethoxazole-trimethoprim IV (weight- based dosing is based on the trimethoprim component)	Systemic Infection (Non-Urinary) = 5 mg/kg q12h	PCP Pneumonia/ Nocardia/ Meningitis = 5 mg/kg q8h	
Sulfamethoxazole-trimethoprim PO	Systemic Infection = 1-2 DS tablets q12h	Cystitis (lower urinary tract infection) = 1 DS tablet q12h	

Beta-lactam Antibiotic Cross-Allergy Chart																
		Pen				1 st Gen	2 nd Gen	3 rd Gen			4 th	Mono	Carb			
		Amoxicillin	Ampicillin	Penicillin	Piperacillin	Cefazolin	Cephalexin	Cefoxitin	Cefuroxime	Cefdinir	Cefotaxime	Ceftazidime	Ceftriaxone	Cefepime	Aztreonam	Meropenem
Pen	Amoxicillin		X	X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Ampicillin	X		X	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Penicillin	X	X			✓	Δ	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Piperacillin	X	Δ	Δ		✓	Δ	✓	✓	✓	✓	✓	✓	✓	✓	✓
1 st Gen	Cefazolin	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cephalexin	X	X	Δ	Δ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2 nd Gen	Cefoxitin	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cefuroxime	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓
3 rd Gen	Cefdinir	✓	✓	✓	✓	✓	✓	✓	✓	Δ	Δ	Δ	Δ	Δ	Δ	✓
	Cefotaxime	✓	✓	✓	✓	✓	✓	✓	Δ	Δ	Δ	Δ	X	X	Δ	✓
	Ceftazidime	✓	✓	✓	✓	✓	✓	✓	Δ	Δ	Δ	Δ	Δ	X	X	✓
	Ceftriaxone	✓	✓	✓	✓	✓	✓	✓	Δ	Δ	X	Δ	Δ	Δ	Δ	✓
4 th Gen	Cefepime	✓	✓	✓	✓	✓	✓	Δ	Δ	X	Δ	X	Δ	Δ	✓	
Mono	Aztreonam	✓	✓	✓	✓	✓	✓	✓	Δ	Δ	X	Δ	Δ		✓	
Carb	Meropenem	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓