

**ORAL ANTI-INFECTIVES ADULT DOSAGE ADJUSTMENTS  
(Based on Estimated Creatinine Clearance)**

Medication PO	Above 50 mL/min	30-50 mL/min	Below 30 mL/min
amoxicillin *	250-500 mg TID	250-500 mg TID	250-500 mg BID
amoxicillin - clavulanate * (CLAVULIN®)	500 mg/125 mg TID 875 mg/125 mg BID	500 mg/125 mg TID 875 mg/125 mg BID	250-500 mg amoxicillin component BID
azithroMYCIN	250-500 mg daily	250-500 mg daily	250-500 mg daily
ceFIXime	400 mg daily	400 mg daily	200 mg daily
ceFURoxime axetil	250-500 mg BID-TID	250-500 mg BID-TID	250-500 mg BID
cephalexin *	250-500 mg QID	250-500 mg TID-QID	250-500 mg BID-TID
ciprofloxacin *	250-750 mg BID	250-750 mg BID	500-750 mg daily
clarithromycin XL	1 g daily	1 g daily	500 mg daily
clindamycin	150-600 mg TID	150-600 mg TID	150-600 mg TID
cloxacillin	250-500 mg QID	250-500 mg QID	250-500 mg QID
cotrimoxazole (DS <sup>1</sup> = TMP <sup>2</sup> 160 mg) (SS <sup>3</sup> = TMP <sup>2</sup> 80 mg)	DS BID <sup>4</sup>	DS BID <sup>4</sup>	DS daily <sup>4</sup> or SS BID <sup>4</sup>
doxycycline	100 mg daily-BID	100 mg daily-BID	100 mg daily-BID
erythromycin	250-500 mg QID	250-500 mg QID	250-500 mg QID
fluCONazole *	100-400 mg daily	100-200 mg daily (400 mg daily *)	100-200 mg daily
linezolid	600 mg BID	600 mg BID	600 mg BID
metronidazole	500 mg BID-TID	500 mg BID-TID	500 mg BID-TID
moxifloxacin	400 mg daily	400 mg daily	400 mg daily
nitrofurantoin	50-100 mg QID (MacroBID® 100 mg BID)	(MacroBID® 100 mg BID) < 40 mL/min: Avoid	Avoid
penicillin VK	300-600 mg BID-QID	300-600 mg BID-QID	300-600mg BID-QID
tetracycline	Above 80 mL/min: 250-500 mg QID; 50-80 mL/min: BID-TID	250-500 mg BID-daily	250-500 mg BID-daily; Below 10mL/min: Avoid
valACYClovir	500-1000 mg Q8-12H	500-1000 mg Q8-12H	500-1000 mg Q12H

<sup>1</sup> DS = Double Strength; <sup>2</sup> TMP = trimethoprim; <sup>3</sup> SS = Single Strength; <sup>4</sup> refer to IV dosing for treatment of severe systemic infections. \* For invasive infections, higher doses and/or intervals may be required.

**INTRAVENOUS ANTI-INFECTIVES ADULT DOSAGE ADJUSTMENTS  
(Based on Estimated Creatinine Clearance)**

Medication IV	Above 50 mL/min	30-50 mL/min	Below 30 mL/min
acyclovir	5-10 mg/kg <sup>1</sup> Q8H	5-10 mg/kg <sup>1</sup> Q12H	5-10 mg/kg <sup>1</sup> Q24H
amikacin	5 mg/kg Q8H or 7.5 mg/kg Q12H guided by levels	7.5 mg/kg Q24H guided by levels	7.5 mg/kg guided by levels
ampicillin	1-2 g Q4-6H	1-2 g Q6-8H	1-2 g Q8-12H
azithroMYCIN	500 mg Q24H	500 mg Q24H	500 mg Q24H
ceFAZolin	1-2 g Q8H	1-2 g Q12H	1-2 g Q12-24H
cefoTAXime	1-2 g Q8H (meningitis 2 g Q6H)	10-50 mL/min: 1-2 g Q8-12H (meningitis 2 g Q8H)	< 10 mL/min: 1-2 g Q24H (meningitis: 2 g Q12H)
cefOXitin	1-2 g Q6-8H	1-2 g Q8H	1-2 g Q8-12H
ceftAZIDime	1-2 g Q8H	1-2 g Q12H	1-2 g Q12-24H
ceftriAXONE	1-2g Q24H	1-2g Q24H	1-2g Q24H
ceFURoxime	0.75-1.5 g Q8H	0.75-1.5 g Q8-12H	0.75-1.5 g Q12H
ciprofloxacin #	200-400 mg Q12H	200-400 mg Q12H	400 mg Q24H
clindamycin #	300-600 mg Q8H	300-600 mg Q8H	300-600 mg Q8H
cloxacillin	0.5-2 g Q4-6H	0.5-2 g Q4-6H	0.5-2 g Q4-6H
cotrimoxazole # (mg/kg TMP <sup>2</sup> )	2.5-5 mg/kg/dose Q6H <sup>3</sup>	2.5-5 mg/kg/dose Q8H <sup>3</sup>	2.5-5 mg/kg/dose <sup>4</sup> Q12H
daptomycin	4-6 mg/kg Q24H	4-6 mg/kg Q24H	4-6 mg/kg Q48H
ertapenem	1 g Q24H	1 g Q24H	500 mg Q24H
erythromycin	0.5-1 g Q6H	0.5-1 g Q6H	0.5-1 g Q6H
fluconazole #	100-400 mg Q24H	100-200 mg Q24H (400mg Q24H <sup>5</sup> )	100-200 mg Q24H
ganciclovir	>70 mL/min: 5 mg/kg Q12H; 50-69 mL/min: 2.5 mg/kg Q12H	2.5 mg/kg Q24H	1.25 mg/kg Q24H
gentamicin ^	5 mg/kg IV Q24H <sup>6</sup>	5 mg/kg IV Q36H <sup>6</sup>	Avoid
imipenem	500 mg Q6-8H	500 mg Q8H	500 mg Q12H
levoFLOxacin	750 mg Q24H	20-50 mL/min: 750 mg Q48H	< 20 mL/min: 750 mg, then 500 mg Q48H
linezolid #	600 mg Q12H	600 mg Q12H	600 mg Q12H
meropenem	0.5 g Q6H or 2 g Q8H <sup>7</sup>	0.5 g Q8H or 2 g Q12H <sup>7</sup>	< 25 mL/min: 0.5-1 g Q12H
metronidazole #	500 mg Q8-12H	500 mg Q8-12H	500 mg Q8-12H
moxifloxacin #	400 mg Q24H	400 mg Q24H	400 mg Q24H
penicillin G	0.5-4 million units Q4-6H	0.5-4 million units Q6H	0.5-3 million units Q8-12H; Maximum 6-9 million units/day
piperacillin - tazobactam	3.375 g Q6H or 4.5 g Q6-8H	3.375 g Q6H	2.25 g Q6H
tobramycin ^	5 mg/kg IV Q24H <sup>6</sup>	5 mg/kg IV Q36H <sup>6</sup>	Avoid
vancomycin	20-25 mg/kg x1 then 15 mg/kg Q8-12H <sup>6</sup>	20-25 mg/kg x1, then 15 mg/kg Q12-24H <sup>6</sup>	20-25 mg/kg x1, then 15 mg/kg Q24-48H <sup>6</sup>
voriconazole	6 mg/kg Q12H x 2, then 4 mg/kg Q12H	Avoid IV formulation; May use PO	Avoid IV formulation; May use PO

# Bioequivalent IV to PO; ^ extended interval dosing; <sup>1</sup> up to 15 mg/kg/dose for herpes encephalitis, VZV infection; <sup>2</sup> TMP = trimethoprim; <sup>3</sup> give q12h for UTIs; <sup>4</sup> up to 10 mg/kg/dose for more aggressive therapy; <sup>5</sup> for more aggressive therapy; <sup>6</sup> Pharmacy to adjust dose interval; <sup>7</sup> for more aggressive therapy (i.e. CNS infection, CF patients)

**COASTAL COMMUNITY OF CARE  
ANTI-INFECTIVE DOSING CARD  
May 2019**

**Smart prescribing begins with you:**

1. Start Smart
2. Narrow quickly
3. Use Oral route whenever able
4. Stop as soon as possible

Can I change from IV to PO?	Patient can swallow & take PO drugs. PO anti-infective is bioequivalent or patient is improving
Can I narrow spectrum?	Culture results are available. Clinical syndrome is covered by anti-infective. Empiric broad coverage is not required.
Can I stop antibiotics?	Source has been controlled. Minimum treatment duration completed. Patient has clinically improved.
Do I have the right organism?	Cultured organism is not responsible for symptoms. Look for other causes of symptoms or sources of infection.
Have I controlled the source?	Changing anti-infectives in face of a sequestered infection will not improve outcomes. Drain sources surgically or by IR.
Do I have the right diagnosis?	Many non-infectious syndromes may resemble infectious symptoms. Rule out non-infectious causes in differential.
Is this the right antibiotic?	Ensure anti-infective covers the clinical syndrome and reaches the target site. Broaden thoughtfully.

Bioequivalent IV to PO agents:	
ciprofloxacin clindamycin co-trimoxazole fluconazole	linezolid metronidazole moxifloxacin voriconazole