

Medication	Adult ORAL Antibiotic Renal Dosing Chart			
	Creatinine clearance (mL/min)			
amoxicillin	Greater than 30 mL/min 250 to 500 mg Q8H	10 to 30 mL/min 250 to 500 mg Q12H	Less than 10 mL/min 250 to 500 mg Q24H	
amoxicillin – clavulanate	Greater than 30 mL/min 250 to 500 mg Q8H OR 875 mg Q12H	Less than 30 mL/min Do not use 875 mg tablet	10 to 30 mL/min 250 to 500 mg Q12H	Less than 10 mL/min 250 to 500 mg Q24H
azithromycin	No dosage adjustment necessary			
ceFIXime	Greater than 20 mL/min 400 mg Q24H	Less than 20 mL/min 200 mg Q24H		
cefuroxime	Greater than 30 mL/min 250 to 500 mg Q12H	10 to 30 mL/min 250 to 500 mg Q24H	Less than 10 mL/min 250 to 500 mg Q48H	
cephalexin	Greater than 50 mL/min 250 to 1000 mg Q6H (max 4 grams/day)	10 to 50 mL/min 500 mg Q8-12H	Less than 10 mL/min 250 to 500 mg Q12-24H	
ciprofloxacin	Greater than 50 mL/min 250 to 750 mg Q12H	30 to 50 mL/min 250 to 500 mg Q12H	5 to 30 mL/min 250 to 500 mg Q24H	
clarithromycin	Greater or equal to 30 mL/min 250 to 500 mg Q12H	Less than 30 mL/min 250 mg Q12H		
clindamycin	No dosage adjustment necessary			
cloxacillin	No dosage adjustment necessary			
cotrimoxazole	Greater than 30 mL/min DS (double strength Q12H)	15 to 30 mL/min SS (single strength) Q12H	Less than 15 mL/min Not recommended	
doxycycline	No dosage adjustment necessary			
erythromycin	No dosage adjustment necessary			
fluconazole	Greater or equal to 50 mL/min 200 to 800 mg Q24H	Less than 50 mL/min 50% of dose Q24H		
levofloxacin	Greater or equal to 50 mL/min 250 to 750 mg Q24H	For 250 mg Q24H dose 20 to 49 mL/min: no adjustment 10 to 19 mL/min: 250 mg Q48H	For 500 mg Q24H dose 20 to 49 mL/min: 500 mg once, 250 mg Q24H 10 to 19 mL/min: 500 mg once, 250 mg Q48H	For 750 mg Q24H dose 20 to 49 mL/min : 750 mg Q48H 10 to 19 mL/min : 750 mg once, then 500 mg Q48H
linezolid	No dosage adjustment necessary			
metronIDAZOLE	No dosage adjustment necessary			
nitrofurantoin	Geri-RxFiles states: Avoid in patients with CrCl less than 40 to 60 mL/min. There is a lack of efficacy in patients with CrCl less than 40 to 60 mL/min due to inadequate drug concentration in the urine. There is some controversy as to the exact CrCl level at which nitrofurantoin is ineffective.			
penicillin V	No dosage adjustment necessary			
tetracycline	Greater than 80 mL/min 250 to 500 mg Q6H	50 to 80 mL/min 250 to 500 mg Q8-12H	10 to 50 mL/min 250 to 500 mg Q12-24H	Less than 10 mL/min 250 to 500 mg Q24H
valACYclovir	Greater than 30 mL/min 1 gram Q8H	15 to 30 mL/min 1 gram Q12H	Less than 15 mL/min 1 gram Q24H	

Medication	Adult PARENTERAL Antibiotic Renal Dosing Chart			
	Creatinine clearance (mL/min)			
acyclovir	Greater than 50 mL/min 5 to 10 mg/kg Q8H	25 to 50 mL/min 5 to 10 mg/kg Q12H	10 to 25 mL/min 5 to 10 mg/kg Q24H	Less than 10 mL/min 2.5 to 5 mg/kg Q24H
ampicillin	Greater than 30 mL/min 1 to 2 grams Q6H	10 to 30 mL/min 1 to 2 grams Q6-12H	Less than 10 mL/min 1 to 2 grams Q12-24H	
azithromycin	No dosage adjustment necessary			
ceFAZolin	Greater than 50 mL/min 1 to 2 grams Q8H	10 to 50 mL/min 1 to 2 grams Q12H	Less than 10 mL/min 1 to 2 grams Q24H	
cefotaxime	Greater than 50 mL/min 1 to 2 grams Q8H	10 to 50 mL/min 1 to 2 grams Q8-12H	Less than 10 mL/min 1 to 2 grams Q24H	
cefOXitin	Greater than 30 mL/min 1 gram Q6-8H	10 to 30 mL/min 1 gram Q12-24H	Less than 10 mL/min 1 gram Q24H	
cefTAZidime	Greater than 50 mL/min 1 to 2 grams Q8H	30 to 50 mL/min 1 to 2 grams Q12H	10 to 30 mL/min 1 to 2 grams Q24H	Less than 10 mL/min 0.5 to 1 gram Q24H
cefTRIAxone	No dosage adjustment necessary			
cefuroxime	Greater than 20 mL/min 0.75 to 1.5 grams Q8H	10 to 20 mL/min 0.75 to 1.5 grams Q12H	Less than 10 mL/min 0.75 to 1.5 grams Q24H	
ciprofloxacin	Greater than 30 mL/min 200 to 400 mg Q12H	Less than 30 mL/min 400 mg Q24H		
clindamycin	No dosage adjustment necessary			
cloxacillin	No dosage adjustment necessary			
ertapenem	Greater than 30 mL/min 1 gram Q24H	Less than 30 mL/min 500 mg Q24H		
fluconazole	Greater than 50 mL/min 100 to 400 mg Q24H	20 to 50 mL/min 100 to 200 mg Q24H	Less than 20 mL/min 100 mg Q24H	
gentamicin	See pharmacist regarding aminoglycosides dosing guidelines			
levofloxacin	Greater or equal to 50 mL/min 250 to 750 mg Q24H	For 250 mg Q24H dose 20 to 49 mL/min: no adjustment 10 to 19 mL/min: 250 mg Q48H	For 500 mg Q24H dose 20 to 49 mL/min: 500 mg once, 250 mg Q24H 10 to 19 mL/min: 500 mg once, 250 mg Q48H	For 750 mg Q24H dose 20 to 49 mL/min : 750 mg Q48H 10 to 19 mL/min : 750 mg once, then 500 mg Q48H
linezolid	No dosage adjustment necessary			
meropenem	Greater than 50 mL/min 0.5 grams Q6H	30 to 50 mL/min 0.5 to 1 gram Q8H	10 to 30 mL/min 0.5 to 1 gram Q12H	Less than 10 mL/min 0.5 to 1 gram Q24H
metronIDAZOLE	No dosage adjustment necessary			
penicillin G	Greater than 50 mL/min 0.5 to 4 million units Q4-6H	10 to 50 mL/min 0.5 to 4 million units Q6-8H	Less than 10 mL/min 20 to 50% of dose	
piperacillin – tazobactam	Greater than 40 mL/min 3.375 grams Q6H	20 to 40 mL/min 3.375 grams Q8H OR 2.25 grams Q6H	Less than 20 mL/min 3.375 grams Q12H OR 2.25 grams Q8H	
tobramycin	See pharmacist regarding aminoglycosides dosing guidelines			
vancomycin	See pharmacist regarding vancomycin dosing guidelines			