

Renal Dosing Chart

The Adult Renal Dosing Table is a medication reference containing formulary medications that have renal function adjustments to the dose or frequency that can be ordered per pharmacist scope of practice.

Drug/route	Indication	Usual Dose	30-50 mL/min	10-29 mL/min	<10 mL/min	iHD	CRRT	Comments
Acyclovir PO/FT	Genital herpes simplex	200 mg 5x/day or 400 mg TID or 400 mg BID	unchanged	unchanged	200-400 mg q12h	200 mg q12h (AD)		
	Herpes zoster	800 mg 5x/day	unchanged	(10-25) 800 mg q8h	800 mg q12h	800 mg q12h (AD)		
	Immunocompromised patient	200-800 mg q4-6h	(50-80) 200-800 mg q6-8h (25-50) 200-800 mg q8-12h	(10-25) 200-800 mg q12-24h	200-400 mg q24h	200-400 mg q24h (AD)		
Acyclovir IV	Genital herpes simplex, mucocutaneous HSV	5 mg/kg/dose q8h	(25-50) 5 mg/kg/dose q12h	(10-25) 5 mg/kg/dose q24h	2.5 mg/kg/dose q24h	2.5 mg/kg/dose q24h (AD)	CVVH: 5-10 mg/kg q24h	
							CVVHDF: 5-10 mg/kg q12-24h	
	Herpes zoster	10 mg/kg/dose q8h	(25-50) 10 mg/kg/dose q12h	(10-25) 10 mg/kg/dose q24h	5 mg/kg/dose q24h	5 mg/kg/dose q24h (AD)	CVVH: 5-10 mg/kg q24h	
							CVVHDF: 5-10 mg/kg q12-24h	
	HSV encephalitis, VZV	10-15 mg/kg/dose q8h	(25-50) 10-15 mg/kg/dose q12h	(10-25) 10-15 mg/kg/dose q24h	5-7.5 mg/kg/dose q24h	5-7.5 mg/kg/dose q24h (AD)	CVVH: 5-10 mg/kg q24h	
							CVVHDF: 5-10 mg/kg q12-24h	
Adefovir		10 mg once daily	(30-49) 10 mg q48h	(10-29) 10 mg q72h	10 mg qweek	10 mg qweek after HD		

Nephrotoxic Drug list (note: not a fully comprehensive list; check medication references with questions)

Adefovir, Amphotericin B, Bacitracin IV, Carboplatin, Carmustine, Cidofovir, Cisplatin, Colistimethate, Cyclophosphamide, Cyclosporine, Doxorubicin, EDTA, Foscarnet, Gallium nitrate, Gentamicin, Lithium, Lomustine, Methotrexate, Pamidronate, Radiocontrast dyes, Rifampin, Tacrolimus, Telbivudine, Tobramycin, Trimethoprim/ Sulfamethoxazole, Vancomycin, Zoledronic Acid

Potentially Nephrotoxic Drug list - these are not nephrotoxic alone typically, but increase monitoring when used with other nephrotoxic drugs (note: not a fully comprehensive list; check medication references with questions)

Ampicillin, Ampicillin/Sulbactam, Cefazolin, Cefotaxime, Cefotetan, Cefoxitin, Ceftazidime, Ceftazidime/avibactam, Cefuroxime, Ciprofloxacin, Levofloxacin, Penicillin G, Piperacillin/Tazobactam, Polymyxin B

Adult Renal Dosing Chart - directions and calculations

- The following medication categories are not included in the Adult Renal Dosing Table:
 - o Medications that usually require shared clinical decision-making with the provider.
 - o Any medication where the action taken by the pharmacist is solely to notify the provider of potential toxicity, a contraindication for use below a level of renal function, or lack of published information in renal dysfunction.
 - o Any medication where the action taken by the pharmacist is solely to notify the provider of potential toxicity, a contraindication for use below a level of renal function, or lack of published information in renal dysfunction.
- Pharmacists will review the patient's medication profile to identify medications included in this list and will automatically adjust the prescribed dose to a dose consistent with the level of renal function.