

PEDIATRIC DOSING GUIDELINES - ANALGESICS / SEDATIVES		
DRUG	DOSE	INTERVAL (hr)
Acetaminophen	10 - 15 mg/kg/dose (Max: < 2 years: 60 mg/kg/day; ≥ 2 years: 75 mg/kg/day Max: 4 grams/day)	Q4-6
Diazepam	(PO) 0.12 - 0.8 mg/kg/day (Max 10 mg/dose) (IV) 0.04 - 0.3 mg/kg/dose	Q6-8 Q6-12
Fentanyl	1 - 12 yo: 1 - 4 mcg/kg/dose > 12 yo: 0.5 - 1 mcg/kg/dose	Q2-4 Q1-2
Hydrocodone/ acetaminophen	0.05 - 0.2 mg/kg/dose (Elixir: 0.5 mg hydrocodone/33.4 mg acetaminophen per mL) (Tablet: 5 mg hydrocodone/325 mg acetaminophen)	Q3-4
Hydromorphone	(PO) 0.03 - 0.08 mg/kg/dose (IV) 0.01 mg/kg/dose	Q4-6 Q4-6
Ibuprofen	5 - 10 mg/kg/dose (Max: 40mg/kg/day, 400 mg/dose) (typically avoided in < 6 months)	Q6-8
Ketorolac	0.5 - 1 mg/kg/dose (Max: 30mg/dose, 120 mg/day; Max: 5 days)	Q6-8
Lorazepam	(PO/IV): 0.025 - 0.1 mg/kg/dose (Max: 2 mg)	Q4-6
Midazolam	(PO) 0.25 - 0.5 mg/kg/dose (Max: 20 mg) (IV) 0.025 - 0.1 mg/kg/dose (Max: 2 mg) (Intranasal) 0.2 - 0.3 mg/kg/dose (Max: 10 mg)	PRN PRN PRN
Morphine	(IV) 0.05 - 0.2 mg/kg/dose (Max: 2 - 4 mg) (PO) 0.2 - 0.5 mg/kg/dose	Q2-4 Q4-6
Naloxone	Complete Reversal: 100 mcg/kg/dose (Max: 2 mg) Over sedation: 5 - 10 mcg/kg Itching with Narcotics: 0.25 - 2 mcg/kg/hr (use lowest effective dose)	PRN PRN
Oxycodone	0.05 - 0.2 mg/kg/dose (Liquid: 1 mg/ml oxycodone) (Percocet tab: 5 mg oxycodone/325 mg acetaminophen; Percocet liquid: 1 mg oxycodone/65 mg acetaminophen/mL)	Q4-6

**Special Liquid Formulation, please allow 24 hours for preparation

UNC Health Care Central Outpatient Pharmacy: (984) 974-2374
Hours: M-F 09:00-18:00; Weekends/Holidays 08:00-15:00

For outpatient prescriptions, plan ahead: Liquid cardiac meds, methadone, oxycodone are not routinely stocked by outside pharmacies

PEDIATRIC DOSING GUIDELINES - MISCELANEOUS		
DRUG	DOSE	INTERVAL (hr)
Acetazolamide**	5 mg/kg/dose	Q6-24
Albumin	0.5 - 1 g/kg/dose (5% for hypovolemia, 25% for fluid restriction)	PRN
Amlodipine**	0.05 - 0.1 mg/kg/day (Max: 10 mg)	DAILY
Aspirin (anti-platelet)	< 3 kg: 40.5 mg > 3 kg - < 5 kg: 40.5 mg > 5 kg - < 10 kg: 40.5 mg > 10 kg: 81 mg	Twice a week M/W/F DAILY DAILY
Bisacodyl	(PR) ≤ 2 yo: 5 mg (PO/PR) >3 - 12yo: 5 - 10mg, >12 yo: 5 - 15 mg	DAILY DAILY
Chlorothiazide**	(PO) 10 - 20 mg/kg/dose (IV) 5 - 10 mg/kg/dose	Q12 Q12
Clonidine**	5 - 25 mcg/kg/day (Max: 2.4 mg)	Q6-12
Diphenhydramine	1 - 1.25 mg/kg/dose (Max: 50mg)	TID-QID
Docusate	2 - 12 yo: 40 - 150 mg/day ≥12yo: 3 - 6 yo: 50 - 360 mg/day	DAILY-QID DAILY-QID
Enalapril**	(PO) 0.8 - 0.5 mg/kg/day (Max: 40 mg/day)	DAILY-BID
Erythromycin	(PO) Prokinetic effect: 3 - 5 mg/kg/dose	Q8
Esomeprazole	(IV) <55kg: 10mg DAILY, ≥55kg: 20mg	DAILY
Famotidine	0.5 mg/kg/dose (Max: 20 mg) (1 - 3mo)DAILY, (≥3mo)BID	DAILY-BID
Ferrous Sulfate	1 - 6 mg/kg/day elemental iron	DAILY-TID
Furosemide	(IV/PO) 1 - 2 mg/kg/dose	Q6-Q24
Hydralazine**	(PO): 0.75 - 3 mg/kg/day (Max: 7mg/kg/day or 200mg/day) (IV): 0.1 - 0.2 mg/kg/dose (Max: 20 mg)	Q6-12 Q4-6
Hydrochlorothiazide**	1 - 2 mg/kg/day	DAILY- BID
Hydroxyzine	(PO): 2 mg/kg/day (Max: 25 mg/dose)	Q6-8
Labetalol**	(IV) 0.2 - 1 mg/kg/dose (Max: 40 mg) (PO) 1 - 3 mg/kg/day (Max: 10-12 mg/kg/day)	PRN BID
Lansoprazole	0.7 - 2 mg/kg/day	DAILY-BID
Metoclopramide	0.1 - 0.2 mg/kg/dose	TID-QID
Omeprazole	0.7-3.3 mg/kg/day (Max 20mg)	DAILY
Ondansetron	(Post op N/V) 0.1 mg/kg/dose (Chemo N/V) 0.15 mg/kg/dose	Q6-8 PRN Q4-6 PRN
Polyethylene glycol (Miralax)	0.2 - 0.8g/kg/day (Max: 17g/day)	PRN
Promethazine	0.25 - 1 mg/kg/dose (Max: 25 mg) (Do not use in children < 2 years)	Q4-6 PRN
Spironolactone**	1 - 3.3 mg/kg/day (Max: 100 mg/day)	Q6-12
Ursodiol**	Biliary atresia: 10 - 15 mg/kg/dose TPN-induced cholestasis: 10 mg/kg/dose	DAILY TID

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For questions please call Pediatric Pharmacy (984) 974-6679
Nicole Barnes, PharmD; Jenna Bognaski, PharmD; Cameron Jordan, PharmD, BCPS

PEDIATRIC DOSING GUIDELINES - ANTIBIOTICS/ANTIFUNGALS		
DRUG	DOSE	INTERVAL (hr)
Amphotericin Liposomal (Ambisome®)	3 - 5 mg/kg/dose	DAILY
Amoxicillin	25 - 45 mg/kg/dose	BID
	UTI prophylaxis 10 - 15 mg/kg/dose	DAILY
	Asplenia 10 mg/kg/dose	BID
Amoxicillin/ clavulanic acid	(dose as per amoxicillin)	
Ampicillin	25 - 50 mg/kg/dose	Q6
	Neonates (< 44 weeks): 100 mg/kg/dose	Q12
Ampicillin/sulbactam (Unasyn®)	(dose as per ampicillin) (0.5 g Sulbactam/1 g Ampicillin (Premixed: 1.5 g, 3 g)	
Azithromycin	(IV/PO) 10 mg/kg (Max: 500 mg) x 1 on day 1, then 5 mg/kg/dose(Max: 250 mg) day 2 - 5	DAILY
Cefazolin	25-50 mg/kg/dose (Max: 2 g)	Q8
Cefdinir	14 mg/kg/day (Max: 600 mg/day)	Q12-Q24
Cefepime	50 mg/kg/dose (max: 2 g)	Q12
	Fever and neutropenia	Q8
Cefotaxime	25 - 50 mg/kg/dose (Max: 2 g/dose)	Q6-8
Ceftazidime	50 mg/kg/dose (Max: 2 g)	Q8
Ceftriaxone	50 - 75 mg/kg/day (Max: 1 g/day)	Q24
	Meningitis 100 mg/kg/day (Max: 2 g/dose)	Q12-24
Cefuroxime	25 - 50 mg/kg/dose (Max: 1.5 g/dose)	Q8
Cephalexin	15 - 30 mg/kg/dose	Q8
Ciprofloxacin	(IV/PO) 10 - 15 mg/kg/dose	BID
Clindamycin	(IV) 10 - 13.3 mg/kg/dose (Max: 600 mg/dose)	Q8
	(PO) 10 mg/kg/dose	Q8
Doxycycline	(IV/PO) 1-2 mg/kg/dose (Max: 100 mg/dose)	Q12
Fluconazole	(IV/PO) 6-12 mg/kg/dose day 1, then 3 - 6 mg/kg/dose	Q24
Gentamicin (Consult: Pharmacy to dose)	>7 days - < 30 days: 4 mg/kg/dose	Q24
	> 30 days: 2.5 mg/kg/dose	Q8
	1st week of life ONLY :Postmenstrual Age	
	< 29 weeks: 5 mg/kg	Q48
	30 - 34 weeks: 4.5 mg/kg	Q36
	> 35 weeks: 4 mg/kg	Q24

PEDIATRIC DOSING GUIDELINES - ANTIBIOTICS/ANTIFUNGALS		
DRUG	DOSE	INTERVAL (hr)
Imipenem/Cilastatin (Primaxin®)	15 - 25 mg/kg/dose (Max: 500 mg)	Q6-8
Levofloxacin	(IV/PO) Birth - 4 yo: 10 mg/kg/dose (Max: 750 mg)	Q12
	≥ 5 yo: 10 mg/kg/dose (Max: 750 mg)	Q24
Linezolid	(IV/PO) Birth - 11 yo: 10 mg/kg/dose (Max: 600 mg)	Q8
	≥ 12 yo: 10 mg/kg/dose (Max: 600 mg)	Q12
Meropenem	20 mg/kg/dose (Max: 1 g/dose)	Q8
Metronidazole	(IV/PO) 10 mg/kg/dose (Max: 500 mg)	Q8
Micafungin	Infants < 1000 g: 10mg/kg	Q24
	Infants > 1000 g: 7 - 10 mg/kg	Q24
	≥1yo: Treatment 4 mg/kg (Max 150 mg)	Q24
	Prophylaxis Hem/Onc: 1 - 2 mg/kg (Max 50 mg)	Q24
Nitrofurantoin	1.25 - 1.75 mg/kg/dose	Q6
	UTI prophylaxis: 1 - 2 mg/kg/day (Max: 100 mg)	Daily
Nystatin (100,000 units/mL)	Neonates: 1 mL/dose	QID
	Infants: 2 mL/dose	QID
	Children & Adolescents: 5 mL/dose	QID
Oxacillin	100 - 200 mg/kg/day (Max: 2 g/dose)	Q4-6
Penicillin G	100,000 - 250,000 units/kg/day (Premixed: 1 million, 2 million, 3 million units)	Q4-6
Penicillin V	Pneumococcal prophylaxis: < 3 years: 125 mg	BID
	> 3 years - 5 years: 250 mg	BID
Piperacillin/tazobactam (Zosyn®)	80 - 100 mg/kg/dose (dose as piperacillin) 125mg Tazobactam/1g Piperacillin (Premixed: 2.25g, 3.375g, 4.5 g)	Q6-Q8
Tobramycin	(dose as per gentamicin)	
Trimethoprim/ Sulfamethoxazole	(IV/PO) 5 mg/kg/dose	Q12
	UTI prophylaxis 2 mg/kg/dose	DAILY
	PCP Treatment 15 - 20 mg/kg/day	Q8 - Q6
Vancomycin (Consult: Pharmacy to dose)	(IV) 15-20 mg/kg/dose	Q6-8
	Meningitis: 20 mg/kg/dose	Q6-8
Voriconazole	(IV/PO) 2 - 12 yo: 9 mg/kg/dose x 2 doses then	Q12
	8-9 mg/kg/dose	
	≥12 yo: 6 mg/kg/dose x 2 doses then 3 - 4 mg/kg/dose	

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