

Pediatric Emergency Room Pocket Drug Reference

Version 2

Poison Control 1-800-222-1222

Common Medications

Medication	Route	Dose	Max
Acetaminophen	PO	15 mg/kg	650 mg
Fentanyl	IV	1 mcg/kg	50 mcg
	Nasal	2 mcg/kg	100 mcg
Ibuprofen	PO	10 mg/kg	600 mg
Ketamine	IV	1mg/kg	
-Alternative	IV	1.5 mg/kgx1 then 0.75mg/kg	
Midazolam	IV	0.05 mg/kg	5 mg
-Min sedation	Nasal	0.4 mg/kg	10 mg
Morphine	IV	0.05-0.1mg/kg	4 mg
Ondansetron	IV	0.1mg/kg	4 mg
Propofol*	IV	1 mg/kg	40 mg
*may repeat up to 5 total doses			

Written medication order correct format:

Medication--Dose (mg/kg)--Total Dose--Route--Frequency

Do not use these abbreviations:

U, IU, QD, QOD, MS, MSO4, MGSO4

No leading decimal, use 0.1 mg, **NOT** .1 mg

No trailing zero, use 1 mg, **NOT** 1.0 mg

Pediatric Advanced Life Support

Medication	Route	Dose	Max
Adenosine	IV	0.1 mg/kg	First-6 mg
-Second Dose	IV	0.2 mg/kg	Second-12mg
Amiodarone	IV	5 mg/kg	300 mg
Atropine	IV	0.02 mg/kg	Max 0.5 mg
Calcium GLUC	IV	100 mg/kg	2000 mg
Epinephrine	IV	0.01 mg/kg (0.1 mL/kg)	1mg(or>50kg) (10 mL)

Rapid Sequence Intubation

Medication	Route	Dose	Max
Atropine	IV	0.02 mg/kg	Max 0.5 mg
Etomidate	IV	0.3 mg/kg	20mg
Lidocaine (↑ICP)	IV	1 mg/kg	100 mg
Rocuronium	IV	1 mg/kg	--
Succinylcholine	IV	2 mg/kg	150 mg
Vecuronium	IV	0.1 mg/kg	--

Anaphylaxis

Medication	Route	Dose	Max
Epinephrine 1mg/mL	IM	0.01 mg/kg	0.3 mg
Dexamethasone	PO	0.6 mg/kg	16 mg
Diphenhydramine	IV/PO	1 mg/kg	50 mg
Ranitidine	IV	1 mg/kg	50mg
	PO	2 mg/kg	150mg
Famotidine	IV/PO	0.5 mg/kg	20mg
Methylprednisolone	IV	1 mg/kg	

Other

Medication	Route	Dose	Max
Dextrose 10%	IV	5 mL/kg	250 mL
NACL 3%	IV	5 mL/kg	500 mL
Mannitol	IV	0.5-1 gm/kg	50 gm
Sodium Bicarb	IV	1 mEq/kg	50 mEq
		<5kg use 4.2%	

Cardiovascular Drips

Medication	Route	Starting Range
Dopamine	IV	5-20 mcg/kg/min
Epinephrine	IV	0.05-1 mcg/kg/min
Milrinone	IV	0.25-0.75 mcg/kg/min
Norepinephrine	IV	0.1-1 mcg/kg/min
Alprostadil	IV	0.05-0.1 mcg/kg/min

Reversal Agents

Medication	Route	Dose	Max
Naloxone-Partial	IV	0.01 mg/kg	0.2 mg
Naloxone-Full	IV/IM	0.1 mg/kg	2 mg
Flumazenil	IV	0.01 mg/kg	0.2 mg

Respiratory

Medication	Route	Dose	Max
Albuterol	Neb	2.5mg/3mL	10 mg
Ipratropium	Neb	0.5 mg	1 mg
Magnesium	IV	50 mg/kg	2000 mg
-Give over 20 min			
Albuterol	Neb	<20 kg- 10 mg/hr	
-Continuous		≥20 kg- 20 mg/hr	
Racemic Epi	Neb	0.5 mL	In 3 mL NS
Dexamethasone	PO	0.6mg/kg	16 mg

Seizures

Medication	Route	Dose	Max
Fosphenytoin	IV	20 mg/kg	1500 mg
Levetiracetam	IV	20 mg/kg	2000 mg
Lorazepam	IV	0.1 mg/kg	4 mg
Phenobarbital	IV	20 mg/kg	1000 mg
Valproic Acid	IV	20-40 mg/kg	
Midazolam	IN	0.2 mg/kg	10mg

This document presents an evidenced-based approach that is appropriate for most patients. It should be adapted to meet the needs of individual patients and situations, and should not replace clinical judgement.

Nausea			
Medication	Route	Dose	Max
Metoclopramide	IV	0.1-0.2 mg/kg	10 mg
Ondansetron	IV/PO	0.1 mg/kg	4 mg
Prochlorperazine ≥ 2 years old	IV	0.1-0.15 mg/kg	10 mg
Promethazine NOT IN HAND IV!!!	IV/PO	0.25-1 mg/kg	25 mg

Pain			
Medication	Route	Dose	Max
Acetaminophen	PO/PR	15 mg/kg	650 mg
Diazepam-Spasms	IV	0.05 mg/kg	5 mg
Fentanyl	IV	1 mcg/kg	50 mcg
	IN	2 mcg/kg	100mcg
Hydrocodone/APAP	PO	0.1-0.2 mg/kg	10mg
Hydromorphone	IV	10-15 mcg/kg	500mcg
Ibuprofen	PO	10 mg/kg	600 mg
Ketorolac	IV	0.5-1 mg/kg	30 mg
Morphine	IV	0.05-0.1 mg/kg	4 mg
Oxycodone<6month	PO	0.025- 0.05 mg/kg	5 mg
>6month	PO	0.05- 0.15 mg/kg	10 mg

Sedation			
Medication	Route	Dose	Max
Midazolam	IV	0.05-0.1 mg/kg	3 mg
	IN	0.4 mg/kg	10 mg
Ketamine	IV	1 mg/kg	
Alternative	IV	1.5 mg/kg x1 then 0.5 mg/kg	
Ondansetron	IV	0.1 mg/kg	4 mg
Propofol	IV	1 mg/kg	40 mg
	*may repeat up to 5 total doses		

Antibiotics			
Medication	Route	Dose	Max
Acyclovir AdjBW->	IV	10-15 mg/kg	
HSV<90 days	IV	20 mg/kg	
	PO	20 mg/kg	800mg
AMOXicillin	PO	25-50 mg/kg	1000 mg
Dosage forms: 250, 500 mg caps, 400mg/5mL			
AMOXacillin/Clav (Augmentin)	PO	20-45 mg/kg	2000 mg
Dosage Forms: 250mg,500mg,875mg tabs; 400mg, 600mg/5mL			
AMPicillin	IV	50 mg/kg	2000 mg
Ampicillin/sulbact (Unasyn)	IV	50 mg/kg	2000 mg (amp)
Azithromycin (Zithromax)	IV/PO	10 mg/kg STD→	500 mg 1000mg
Dosage Forms:250mg tabs, 200 mg/5mL			
Cefazolin (Ancef)	IV	33-50 mg/kg	2000 mg
Cefdinir (Omnicef)	PO	7-14 mg/kg	600 mg
Dosage Forms: 300mg cap 125 mg/5mL 250 mg/5mL			
Ceftazidime (Fortaz)	IV	50 mg/kg	2000 mg
Cefotaxime (Claforan)	IV	50-75mg/kg	2000 mg
Cefoxitin (Mefoxin)	IV	40 mg/kg	2000 mg
Ceftriaxone (Rocephin)	IV	50-100 mg/kg	2000 mg
Cephalexin (Keflex)	PO	12.5-25 mg/kg	1000 mg
Dosage Forms: 250mg 500mg caps, 250mg/5mL			
Clindamycin (Cleocin)	IV/PO	13 mg/kg Toxic Shock->	600 mg 900 mg
Gentamicin	IV	5-7.5 mg/kg	IBW
Metronidazole (Flagyl)	IV	10 mg/kg	500 mg
Appendicitis	IV	30 mg/kg	1500 mg
Piperacillin/Tazo (Zosyn)	IV	75 mg/kg	3000 mg (pip)
Vancomycin	IV	20 mg/kg	2000 mg

Common Combinations			
Medication	Route	Dose	Max
<u>Appendicitis</u>			
Ceftriaxone	IV	75mg/kg	2000 mg
Metronidazole	IV	30 mg/kg	1500 mg
<u>Asthma LVN</u>			
Albuterol	Neb	10 mg	
Ipratropium	Neb	1 mg	
<u>Croup</u>			
Racemic Epi	Neb	0.5 mL	TV=3.5ml
Dexamethasone	PO/IV/ IM	0.6 mg/kg	16 mg
<u>Migraine</u>			
Prochlorperazine	IV	0.15mg/kg	10 mg
Diphenhydramine	IV	1 mg/kg	50 mg
Ketorolac	IV	1 mg/kg	30 mg
<u>Choosing Augmentin Conc</u>			
High Dose--90mg/kg/day		AugmentinES 600mg/5ml	
All other dosing		Augmentin NON ES	
<u>Zero Harm Safety Techniques</u>			
ARCC-Ask, Request, Concern, Chain of Command			
Standardized Handoff			
SBAR-Situation, Background, Assessment, Recommendation			
STAR- Stop, Think, Act, Resolve			
Stop and Resolve			
Clarifying Question-Repeat Back/Read Back			

Prepared by Greg Nelsen PharmD Last Updated 10-2020