

PEDIATRIC DOSING GUIDE

GRAY: 3-5kg/6-11lbs

Normal Vital Signs

HR asleep	HR awake	Respiratory Rate	Systolic BP	Diastolic BP	MAP
90-160	100-205	30-53	67-104	35-56	45-62

NS Fluid Bolus: 10ml/kg	40ml	DEFIBRILLATION: 2, 4J/kg	1st: 8J	2nd: 16J
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Blade for Foreign Body Removal	0	CARDIOVERSION: 1, 2J/kg	1st: 4J	2nd: 8J
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Medication	Concentration	Dose	Dose in mg	Dose in ml	Details
ADENOSINE	6mg/2ml (3mg/ml)	0.1mg/kg RIVP Max 1st dose: 6mg Max 2nd dose: 12mg	1st: 0.4mg 2nd: 0.8mg	1st: 0.14ml 2nd: 0.27ml	RIVP w/ 10ml NS flush MR x1 double the dose (0.2mg/kg)
ALBUTEROL	2.5mg/3ml	2.5mg/3ml HHN	2.5mg	3ml	MR X1
AMIODARONE (Pulseless arrest)	150mg/3ml (50mg/ml)	5mg/kg IV/IO Max single dose: 300mg	20mg	0.4ml	Follow with or dilute in 20ml NS flush Give after 3rd shock
ATROPINE (Bradycardia)	1mg/10ml (0.1mg/ml)	0.02mg/kg IV/IO Min dose: 0.1mg Max single dose: 0.5mg	0.1mg	1ml	MR x1 in 3-5 min
ATROPINE (Organophosphate poisoning)	Preload: 1mg/10ml (0.1mg/ml) Vial: 0.4mg/ml	0.05mg/kg IV/IO	0.2mg	Preload: 2ml Vial: 0.5ml	MR q5-10 min until symptoms resolve
DEXTROSE	10%	2ml/kg IV/IO Max dose: 125ml		8ml	Give over 10 min
DIPHENHYDRAMINE <i>Benadryl</i>	50mg/ml	1mg/kg IM/IV/IO Max dose: 50mg	4mg	0.08ml	
EPINEPHRINE (Cardiac arrest/ Bradycardia)	1mg/10ml (0.1mg/ml)	0.01mg/kg IV/IO	0.04mg	0.4ml	MR q3-5 min
EPINEPHRINE (Allergic reaction/ Asthma)	1mg/ml	0.01mg/kg IM Total max dose: 0.6mg	0.04mg	0.04ml	MR x1 in 5 min
EPINEPHRINE (Upper airway/Stridor)	1mg/ml	5mg HHN	5mg	5ml	

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Medication	Concentration	Dose	Dose in mg	Dose in ml	Details
FENTANYL (Pain)	100mcg/2ml (50mcg/ml)	1mcg/kg IV/IO/IM/IN Max dose: 3mcg/kg	4mcg	0.08ml	MR q5 min For IN: split dose equally in each nostril
GLUCAGON (Hypoglycemia/Beta blocker OD)	1mg/ml	0.03mg/kg IM Max dose: 1mg	0.12mg	0.12ml	MR x2 q15 min if no IV established
IPRATROPIUM <i>Atrovent</i>	500mcg/2.5ml	500mcg/2.5ml HHN	500mcg	2.5ml	
LIDOCAINE 2% preservative free (IO insertion)	20mg/ml	0.5mg/kg slow IO Max dose: 40mg	<u>1st:</u> 2mg <u>2nd:</u> 1mg	<u>1st:</u> 0.1ml <u>2nd:</u> 0.05ml	MR x1 half initial dose (0.25mg/kg)
MIDAZOLAM <i>Versed</i> (Seizure)	5mg/ml	0.2mg/kg <u>IM</u> Max single dose 5mg	0.8mg	0.16ml	MR x1 in 10 min if still seizing
MIDAZOLAM <i>Versed</i> (Seizure)	5mg/ml	0.2mg/kg <u>IN</u> Max dose 5mg	0.8mg	0.16ml	Split dose equally in each nostril
MIDAZOLAM <i>Versed</i> (Seizure)	2mg/2ml (1mg/ml)	0.05mg/kg slow <u>IV/IO</u> Total max dose: 5mg	0.2mg	0.2ml	MR x2 q15 min
MIDAZOLAM <i>Versed</i> (Cardioversion)	2mg/2ml (1mg/ml)	0.05mg/kg slow <u>IV/IO</u> Max dose: 1mg	0.2mg	0.2ml	
MORPHINE (Pain/burns)	10mg/ml	0.1mg/kg IV/IO/IM	0.4mg	0.04ml	MR x2 q15 min (IV/IO) MR in 30min (IM)
NALOXONE <i>Narcan</i>	2mg/2ml (1mg/ml)	0.1mg/kg IV/IO/IM/IN	0.4mg	0.4ml	MR q5 min For IN: split dose equally in each nostril
SODIUM BICARBONATE	1mEq/ml	1mEq/kg IV/IO	4mEq	4ml	