

PEDIATRIC DOSING GUIDE

WHITE: 15-18kg/33-40lbs

Normal Vital Signs

HR asleep	HR awake	Respiratory Rate	Systolic BP	Diastolic BP	MAP
65-100	80-120	20-28	89-112	46-72	58-69

NS Fluid Bolus: 20ml/kg	330ml	DEFIBRILLATION: 2, 4J/kg	1st: 33J	2nd: 66J
--------------------------------	--------------	---------------------------------	-----------------	-----------------

Blade for Foreign Body Removal	2	CARDIOVERSION: 1, 2J/kg	1st: 17J	2nd: 33J
---------------------------------------	----------	--------------------------------	-----------------	-----------------

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: 1.7mg 2nd: 3.4mg	1st: 0.6ml 2nd: 1.1ml	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	80mg	1.6ml	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	0.3mg	3ml	MR x1 in 3-5 min
ATROPINE (Organophosphate poisoning)	Preload: 1mg/10ml (0.1mg/ml) Vial: 0.4mg/ml	0.05mg/kg IV/IO	0.8mg	Preload: 8ml Vial: 2.1ml	MR q5-10 min until symptoms resolve
DEXTROSE	10%	5ml/kg IV/IO Max dose: 125ml		83ml	Give over 10 min
DIPHENHYDRAMINE <i>Benadryl</i>	50mg/ml	1mg/kg IM/IV/IO Max dose: 50mg	16.5mg	0.3ml	
EPINEPHRINE (Cardiac arrest/ Bradycardia)	1mg/10ml (0.1mg/ml)	0.01mg/kg IV/IO	0.17mg	1.7ml	MR q3-5 min
EPINEPHRINE (Allergic reaction/ Asthma)	1mg/ml	0.01mg/kg IM Total max dose: 0.6mg	0.17mg	0.17ml	MR x1 in 5 min
EPINEPHRINE (Upper airway/Stridor)	1mg/ml	5mg HHN	5mg	5ml	

WHITE: 15-18kg/33-40lbs

Medication	Concentration	Dose	Dose in mg	Dose in ml	Details
FENTANYL (Pain)	50mcg/ml	1mcg/kg IV/IO/IM/IN Max dose: 3mcg/kg	16.5mcg	0.33ml	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	0.5mg	0.5ml	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> 8mg <u>2nd:</u> 4mg	<u>1st:</u> 0.4ml <u>2nd:</u> 0.2ml	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	3.3mg	0.7ml	MR x1 in 10 min
MIDAZOLAM <i>Versed</i> (Seizure)	5mg/ml	0.2mg/kg <u>IN</u> Max dose 5mg	3.3mg	0.7ml	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	0.8mg	0.8ml	MR x2 q15 min
MIDAZOLAM <i>Versed</i> (Cardioversion)	2mg/2ml (1mg/ml)	0.05mg/kg slow IV/IO Max dose: 1mg	0.8mg	0.8ml	
MORPHINE (Pain/burns)	10mg/ml	0.1mg/kg IV/IO/IM	1.7mg	0.2ml	MR x2 in 15 min (IV/IO) MR in 30min (IM)
NALOXONE <i>Narcan</i>	2mg/2ml (1mg/ml)	0.1mg/kg IV/IO/IM/IN	1.7mg	1.7ml	MR q5 min For IN: split dose equally in each nostril
ONDANSETRON <i>Zofran</i>	4mg tab 4mg/2ml	2mg ODT/slow IV	2mg	1ml 1/2 tab	Slow IV over 30 sec
SODIUM BICARBONATE	1mEq/ml	1mEq/kg IV/IO	17mEq	17ml	