

# PEDIATRIC DOSING GUIDE

## RED: 8-9kg/18-20lbs

### Normal Vital Signs

HR asleep	HR awake	Respiratory Rate	Systolic BP	Diastolic BP	MAP
90-160	100-180	30-53	72-104	37-56	50-62

NS Fluid Bolus: 10ml/kg	i-gel Airway	Blade for foreign body removal
170ml	1.5	1

DEFIBRILLATION: 2, 4J/kg	1st: 17J	2nd: 34J	CARDIOVERSION: 1- 2J/kg	1st: 9J	2nd: 17J
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Medication	Concentration	Dose	Dose in mg	Dose in ml	Details
ACETAMINOPHEN	160mg/5ml (32mg/ml)	15mg/kg PO <b>Max dose: 135mg</b>	128mg	4ml	
ADENOSINE	6mg/2ml (3mg/ml)	0.1mg/kg RIVP <b>Max 1st dose: 6mg</b> <b>Max 2nd dose: 12mg</b>	<u>1st:</u> 0.9mg <u>2nd:</u> 1.7mg	<u>1st:</u> 0.3ml <u>2nd:</u> 0.6ml	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 <b>Max single dose: 300mg</b>	42mg	0.8ml	Follow with or dilute in 20ml NS flush Give after 3rd shock
ATROPINE (Bradycardia)	1mg/10ml (0.1mg/ml)	0.02mg/kg IV/IO <b>Min dose: 0.1mg</b> <b>Max single dose: 0.5mg</b>	0.2mg	2ml	MR x1 in 3-5 min
ATROPINE (Organophosphate poisoning)	<u>Preload:</u> 1mg/10ml (0.1mg/ml) <u>Vial:</u> 0.4mg/ml	0.05mg/kg IV/IO	0.4mg	<u>Preload:</u> 4ml <u>Vial:</u> 1.1ml	MR q5-10 min until symptoms resolve
DEXTROSE	10%	5ml/kg IV/IO <b>Max dose: 125ml</b>		42ml	Give over 10 min
DIPHENHYDRAMINE Benadryl	50mg/ml	1mg/kg IM/IV/IO <b>Max dose: 50mg</b>	8.5mg	0.2ml	
EPINEPHRINE (Cardiac arrest/ Bradycardia)	1mg/10ml (0.1mg/ml)	0.01mg/kg IV/IO	0.09mg	0.9ml	MR q3-5 min
EPINEPHRINE (Allergic reaction/ Asthma)	1mg/ml	0.01mg/kg IM <b>Total max dose: 0.6mg</b>	0.09mg	0.09ml	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
<b>FENTANYL</b> (Pain)	50mcg/ml	1mcg/kg IV/IO/IM/IN <b>Max dose: 3mcg/kg</b>	8.5mcg	0.17ml	MR q5 min For IN: split dose equally in each nostril
<b>GLUCAGON</b> (Hypoglycemia/Beta blocker OD)	1mg/ml	0.03mg/kg IM <b>Max dose: 1mg</b>	0.25mg	0.25ml	MR x2 q15 min if no IV established
<b>IPRATROPIUM</b> <i>Atrovent</i>	500mcg/2.5ml	500mcg/2.5ml HHN	500mcg	2.5ml	
<b>LIDOCAINE 2%</b> preservative free (IO insertion)	20mg/ml	0.5mg/kg slow IO <b>Max dose: 40mg</b>	<u>1st:</u> 4mg <u>2nd:</u> 2mg	<u>1st:</u> 0.2ml <u>2nd:</u> 0.1ml	MR x1 half initial dose (0.25mg/kg)
<b>MIDAZOLAM</b> <i>Versed</i> (Seizure)	5mg/ml	0.2mg/kg IM <b>Max single dose 5mg</b>	1.7mg	0.3ml	MR x1 in 10 min if still seizing
<b>MIDAZOLAM</b> <i>Versed</i> (Seizure)	5mg/ml	0.2mg/kg IN <b>Max dose 5mg</b>	1.7mg	0.3ml	Split dose equally in each nostril
<b>MIDAZOLAM</b> <i>Versed</i> (Seizure)	2mg/2ml (1mg/ml)	0.05mg/kg slow IV/IO <b>Total max dose: 5mg</b>	0.4mg	0.4ml	MR x2 q15 min
<b>MIDAZOLAM</b> <i>Versed</i> (Cardioversion)	2mg/2ml (1mg/ml)	0.05mg/kg slow IV/IO <b>Max dose: 1mg</b>	0.4mg	0.4ml	
<b>MORPHINE</b> (Pain/burns)	10mg/ml	0.1mg/kg IV/IO/IM	0.9mg	0.1ml	MR x2 q15 min (IV/IO) MR in 30min (IM)
<b>NALOXONE</b> <i>Narcan</i>	2mg/2ml (1mg/ml)	0.1mg/kg IV/IO/IM/IN	0.9mg	0.9ml	MR q5 min For IN: split dose equally in each nostril
<b>SODIUM BICARBONATE</b>	1mEq/ml	1mEq/kg IV/IO	8.5mEq	8.5ml	