

## Normal Vital Signs

**2 years**

**\*Weight (KG):** 12-14kg

**Weight (Lbs):** 26.5-30.9

**Heart Rate (Beats per minute):** 89-145

**Respiratory Rate (Breaths per minute):** 25-39

**Blood Pressure (Systolic Range/ Diastolic Range):** 87-112/44-74

**MAP (mmHg):** 57-81

**Broselow color:** Yellow

\* Weight based on Broselow Tape

\*\*Vitals based on BC PEWS

## Airway Management

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	Values	Formula
Tidal Volume	70 mL	4-8 mL/kg
Laryngoscope	1 Straight	-
Un-cuffed ETT	4 mm	$(\text{Age}/4)+4$
Cuffed ETT	3.5 mm	$(\text{Age}/4)+3$
ETT Depth	12 cm	-
i-Gel SGA	Size 2 (grey)	10-25 kg
NPA	18 Fr	-
OPA	60 mm (black)	-
Suction Cath	8 Fr	-

# Airway Induction Doses

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	Values	Details
Normal Saline Bolus (IV)	120 mL	10 ml/kg
<a href="#">ketAMINE</a> (IV/IO)	12 mg	1 mg/kg
<a href="#">EPINEPHrine</a> (Slow IVP/IO)	12 mcg	1.0 mcg/kg
<a href="#">MIDAZOLam</a> (IV/IO)	1.2 mg	0.1 mg/kg PRN

Maintenance doses on [PR18: Anesthesia Induction](#) Page

## Respiratory & Allergic Reaction

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	Values	Details
<a href="#"><u>Dexamethasone</u></a>	6mg dose = 1.50 mL Dexamethasone solution administered	12kg x 0.5mg/kg = 6mg 4mg/ml Dexamethasone supplied =1.5mL
<a href="#"><u>Diphenhydramine</u></a> (IM/IV)	12 mg	1 mg/kg
<a href="#"><u>EPINEPHrine</u></a> (IM)	0.12 mg (120 mcg)	0.01 mg (10 mcg)/kg; Max 0.5 mg (500 mcg)
<a href="#"><u>EPINEPHrine</u></a> (Neb)	5 mg	0.5 mg (500 mcg) in 5 mL N/S; Max 5 mg
<a href="#"><u>EPINEPHrine</u></a> (IV)	0.06 mg (60 mcg)	0.005 mg (5 mcg)/kg; Max 0.3 mg (300 mcg)
<a href="#"><u>Salbutamol</u></a> (Neb)	5 mg	-
<a href="#"><u>Salbutamol</u></a> (MDI)	500 mcg	5 x 100 mcg per course; may repeat up to 3 times
<a href="#"><u>Ipratropium</u></a> (Neb)	250mcg	½ nebule
<a href="#"><u>Ipratropium</u></a> (MDI)	80 mcg	20mcg x 4 sprays
<a href="#"><u>Magnesium Sulfate</u></a> (IV infusion)	600 mg	50 mg/kg over 20 minutes; Max 2 g

## Cardiac Arrest

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	Values	Details
<b>Defibrillation</b>	24/48 J	2 & 4 J/kg
<a href="#">EPINEPHrine (IV)</a>	0.12 mg (120 mcg)	0.01 mg (10 mcg)/kg; Max 1 mg
<a href="#">EPINEPHrine (ETT)</a>	1.2 mg	0.1 mg (100 mcg)/kg; Max 1 0mg
<a href="#">Amiodarone (IV)</a>	60 mg	5 mg/kg; Max 300 mg
<a href="#">Lidocaine (IV)</a>	12 mg	1 mg/kg
<a href="#">Lidocaine (ETT)</a>	24 mg	2 mg/kg
<a href="#">Sodium Bicarbonate (IV)</a>	12 mEq	1 mEq/kg; May repeat
<a href="#">Magnesium Sulfate (IV)</a>	600 mg	50 mg/kg; Max 4 g
<a href="#">Calcium Chloride (IV)</a>	240 mg	20 mg/kg; Max 500 mg
<a href="#">Naloxone (IV)</a>	1.2 mg	0.1 mg (100 mcg)/kg; Max 4 mg
<a href="#">Naloxone (ETT)</a>	1.2 mg	0.2 mg (200 mcg)/kg; Max 8 mg

# Tachycardia

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	Values	Details
<a href="#">Adenosine (IV)</a>	1.2/2.4 mg	0.1 & 0.2 mg (100 & 200 mcg)/kg
<a href="#">Amiodarone (IV infusion)</a>	60 mg	5 mg/kg over 20 minutes; May repeat x2; Max 300 mg
Cardioversion	6/12 J	0.5 & 1.0 J/kg

# Bradycardia

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	Values	Details
<a href="#">EPINEPHrine</a> (IV)	0.12 mg (120 mcg)	0.01 mg (10 mcg)/kg; Max 0.5 mg (500 mcg); q 3-5 minutes
<a href="#">Atropine</a> (IV)	0.24 mg (240 mcg)	0.02 mg (20 mcg)/kg; Max single dose 0.6 mg (600 mcg); May repeat once
<a href="#">Atropine</a> (ETT)	0.48 mg (480 mcg)	0.04 mg (40 mcg)/kg; Max single dose 1.2 mg; Max total dose 6 mg; May repeat x5 in 3-5 minutes

Fluid Resuscitation

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	Values	Details
Normal Saline	60 mL (240 mL)	5 mL/kg bolus x4; Max 20 mL/kg

Tranexamic Acid

180 mg over 1 minute

Volume of Tranexamic Acid: 1.8 ml



## Sedation, Seizure, & Analgesia

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	<u>Values</u>	<u>Details</u>
<a href="#"><u>KetAMINE (IN)</u></a>	18 mg	1.5 mg/kg, Max 50 mg*
<a href="#"><u>KetAMINE (IM)</u></a>	6 mg	0.5 mg (500 mcg)/kg*
<a href="#"><u>KetAMINE (IV/IO)</u></a>	3.6 mg	0.3 mg (300 mcg)/kg, Single Dose Max 20 mg, Max Total 0.6 mg (600 mcg)/kg*
<a href="#"><u>MIDAZOLam (IM/IN)</u></a>	2.4 mg	0.2 mg (200 mcg)/kg; Max 10 mg
<a href="#"><u>MIDAZOLam (IV/IO)</u></a>	1.2 mg	0.1 mg (100 mcg)/kg; Max 5 mg
<a href="#"><u>FentaNYL (IN)</u></a>	18 mcg - 24 mcg	1.5-2.0 mcg/kg, Single Dose Max 100 mcg
<a href="#"><u>FentaNYL (IM/IV/IO)</u></a>	12 mcg - 24 mcg	1-2 mcg/kg, Single Dose Max 50 mcg q 5 min, Max Total 200 mcg
<a href="#"><u>Morphine (IV/IM)</u></a>	1.2 mg	0.1 mg (100 mcg)/kg
<a href="#"><u>DimenhyDRINATE (IV/IM) ACP &amp; Above</u></a>	15 mg	1.25 mg/kg, Max 5 mg/kg/day or Single dose of 25 mg
<a href="#"><u>Ondansetron (IV)</u></a>	1.2 mg	0.1 mg (100 mcg)/kg
<a href="#"><u>Ibuprofen (PO)</u></a>	120 mg	10 mg/kg
<a href="#"><u>Acetaminophen (PO)</u></a>	180 mg (2.3 mL)	15 mg/kg (80 mg/mL)

\*See drug monographs for repeat dosages

Poisoning & Overdose

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	Values	Details
<a href="#">Naloxone</a> (IV/IM)	1.2 mg	0.1 mg (100 mcg)/kg; to a maximum of 2 mg/dose. Repeat q 3 mins to effect. No maximum cumulative dose.
<a href="#">Glucagon</a> (IV)	1.2 mg	Beta-blocker overdose 0.1 mg (100 mcg)/kg IV

*\*\*Note: Higher doses for naloxone in pediatrics are prescribed as pediatric patients are unlikely to experience withdrawal*

Diabetic

2 Years, 12 kg (26.5 lbs), Broselow Yellow

	Values	Details
<a href="#">Dextrose 10% (D10W)</a>	60 mL	5 mL/kg; May be repeated
<a href="#">Glucagon (SC/IM)</a>	0.36 mg (360 mcg)	0.03 mg (30 mcg)/kg; Max 1 mg

