

## Pediatric Medication Scenarios

**The attendee can print off labels from Google (or other search engine) to get the correct medications carried in their medication bags.**

**Scenario:** 2-month-old in cardiac arrest, unknown reason, CPR in progress.

**History:** None

**Weight (if known from caretaker):** 10 pounds at most recent visit (unknown date)

**Color on length-based tape/Mi-Medic Card:** Gray

**Medication needed:** Epinephrine 1:10,000 (1 mg/10 ml)

**Appropriate dose for patient:** .01 mg/kg (.05 mg/0.5 ml)

**Dilution requirements:** N/A

**Scenario:** 10-month-old in tonic/clonic seizure. IV is established and does not appear to be febrile.

**History:** None

**Weight (if known from caretaker):** Unknown

**Color on length-based tape/Mi-Medic Card:** Red (11 kg)

**Medication needed:** Midazolam IV (5 mg/ml)

**Appropriate dose for patient:** .05 mg

**Dilution requirements:** Dilute with 4 ml of saline=0.5 ml

**Scenario:** Three-year-old fall with obvious fracture to radius/ulna and in a lot of pain.

**History:** None

**Weight (if known from caretaker):** Approximately 35 pounds, per Mom on scene

**Color on length-based tape/Mi-Medic Card:** White

**Medication needed:** Fentanyl IV (100 mcg/2 ml) or Morphine (10 mg/ml)

**Appropriate dose for patient:** Fentanyl: 15 mcg (1.5 ml diluted)

Morphine: 1.5 mg (1.5 ml diluted)

**Dilution requirements:** Fentanyl: 1 mcg/kg=dilution with 8 ml Saline

Morphine: .1 mg/kg=dilution with 9 ml Saline

**Scenario:** 16-month-old unresponsive.

**History:** None

**Weight (if known from caretaker):** 25 pounds, per Dad

**Color on length-based tape/Mi-Medic Card:** Purple

**Medication needed:** D25 (12.5g/50ml)

**Appropriate dose for patient:** 5g

**Dilution requirements:**

**Scenario:** 8-Year-old in respiratory distress after bee sting

**History:** No medical history

**Weight (if known from caretaker):** Unknown

**Color on length-based tape:** Orange (52-65 pounds/24-29 kg)

**Medication needed:** Epinephrine, Diphenhydramine

**Appropriate dose for patient:** Epi IM: .01 mg/kg=0.15 mg

Diphenhydramine IM (50 mg/ml) Dose: 30 mg (0.6 ml/IM)

Diphenhydramine IV (50 mg/ml) Dilute with 4 ml Dose: 30 mg (3 ml/diluted)

**Dilution requirements:** Diphenhydramine: 4 ml saline/1 ml medication

**Scenario:** 16-month-old cyanotic, respiratory rate of 4, pupils pinpoint

**History:** No medical history

**Weight (if known from caretaker):** 22 pound at last Dr. visit

**Color on length-based tape:** Purple

**Medication needed:** Narcan

**Appropriate dose for patient:** 1 mg IV, IM, or IN

**Dilution requirements:** N/A

**Scenario:** 2-month-old male. Mother fell asleep while lying next to baby in bed. Unresponsive, apneic, pulseless. CPR has been initiated prior to arrival.

**History:** No medical history. No complication with birth, and Mother did have pre-natal care.

**Weight (if known from caretaker):** 10 lbs.

**Color on length-based tape:** Gray

**Medication needed:** Epinephrine 1:10

**Appropriate dose for patient:** .05 mg, volume: 0.5 ml

**Dilution requirements:** 1 mg is already diluted in 10 ml syringe.

**Scenario:** 14-year-old male, cardiac arrest, Persistent VFib

**History:** Unknown

**Weight (if known from caretaker):** 76 lbs.

**Color on length-based tape:** Green

**Medication needed:** Epinephrine, Amiodarone

**Appropriate dose for patient:** Epi: 0.3 mg (1:10,000), 3 ml  
Amiodarone: 150 mg (150 ml/3 ml), 3 ml

**Dilution requirements:** No dilution required

**Scenario:** 6-year-old, chest fluttering, in persistent SVT at a rate of 210

**History:** No medical history

**Weight (if known from caretaker):** 50 lbs.

**Color on length-based tape:** Blue

**Medication needed:** Adenosine (with MCA order)

**Appropriate dose for patient:** 2.5 mg/0.8 ml, followed immediately with 10 ml NS flush

**Dilution requirements:** No dilution required

**Scenario:** 33-month-old, dehydrated, semi-responsive

**History:** Has been sick for 3 days, fever off-and-on, today has been less responsive

**Weight (if known from caretaker):** 30 lbs.

**Color on length-based tape:** Yellow

**Medication needed:** Normal Saline 0.9%

**Appropriate dose for patient:** 250 ml IV/IO

**Dilution requirements:** No dilution required