

RX-R1
 MEDICATION
 DOSAGE/REFERENCE

Please refer to the individual Clinical Guidelines for more information of medication use in specific situations



Generic Drug [Trade Name]	Indication [Guideline]	Typical Adult Dosage**	Pediatric Dosage** <small>(WB = Adult weight-based dosing)</small>
		<i>**unless otherwise noted in guidelines</i>	
Acetaminophen [Tylenol]	Pain [RX-02] Fever [M-06]	650-1000 mg PO 1 gram IV/IO	15 mg/kg
Adenosine [Adenocard]	Narrow-Tach [C-07] Wide-Tach [C-08]	6-12 mg rapid IVP	0.2 mg/kg
Albuterol [Proventil, Ventolin, Proair, etc.]	Asthma/COPD [A-06] Allergic Reaction [M-02]	<i>Aerosol Nebulization:</i> 2.5 mg in 3 mL NS <i>MDI:</i> 2 puffs Inhaled	[SAME]
Amiodarone [Cardarone]	Vfib/VTach [C-03] Narrow-Tach (with CHF) [C-07] Wide-Tach [C-08] Torsades (short QT) [C-09]	Pulseless: 300 mg initial then 150 mg IV/IO Pulsed: 150 mg IV/IO	5 mg/kg
	{DRIP}	1 mg/min	per Medical Control
Aspirin	Chest Pain [C-06]	324 mg chewed	N/A
Atropine	Bradycardia [C-05]	1 mg IV/IO	0.02 mg/kg
	Organophosphate [H-10]	1-2 mg** IV/IO **Escalate dose as needed	0.02 mg/kg**
Calcium (Chloride or Gluconate)	Cardiac Arrest [C-02 & C-03] Blood Admin. [T-P1]	1 gram IV/IO	20 mg/kg
Dexamethasone [Decadron]	Allergic Reaction [M-02] Asthma/COPD [A-06] Croup/Stridor [A-07]	10 mg IV/IO or IM	0.6 mg/kg
Dexmedetomidine [Precedex]	Advanced Sedation/Pain [RX-06]	0.2-1.5 mcg/kg/hour	[SAME]

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Dextrose D ₅₀ /50% D ₂₅ /25% D ₁₀ /10%	Hypoglycemia [1-04]	25 grams IV/IO (1 amp D50, <u>or</u> 250 mL D10)	1 gram/kg (2 mL/kg D25, <u>or</u> 5 mL/kg D10)
Diazepam [Valium]	Anxiolysis/ Chemical Rest. [RX-04]	SAT=2: 2-5 mg IV/IO; or 5 mg IM/IN SAT=1: 1-2 mg IV/IO; or 2 mg IM/IN	<i>per Medical Control</i>
	Seizures [M-08]	5 mg IV/IO or 10 mg IM	0.2 mg/kg IV/IO 0.5 mg/kg IM/PR
Diltiazem [Cardizem]	Narrow-Tach [C-07]	Bolus: 10-20 mg IV/IO <u>Drip:</u> 5-10 mg/hr	<i>per Medical Control</i>
Diphenhydramine [Benadryl]	Abd Pain/Vomiting [M-01] Allergic Reaction [M-02]	25-50 mg IV/IO or IM	1 mg/kg
Dopamine	Bradycardia [C-05] Medical Shock [M-06]	<u>Drip:</u> 2-20 mcg/kg/min	[SAME]
Epinephrine [Adrenaline]	Allergic Reaction [M-02]	0.3 mg (1:1000) IM <u>or</u> EpiPen	0.01 mg/kg
	Asthma [A-06]	0.3-0.5 mg 1:10,000 IV/IO <u>or</u> 1:1000 IM	0.01 mg/kg
	Bradycardia [C-05]	<i>Primary:</i> 0.1-0.2 mg IV/IO (100-200 mcg) <i>Low dose:</i> 0.01-0.02 mg IV/IO (10-20 mcg)	0.01 mg/kg
		<u>Drip:</u> 0.1-1 mcg/kg/min	[SAME]
	Croup/Stridor [A-08]	Nebulized: 1 mg (1:1000) diluted in 3 mL saline Parental: 0.3 mg 1:10,000 IV/IO <u>or</u> 1:1000 IM	Nebulized: [SAME] Parental: 0.01 mg/kg
	Cardiac Arrest [C-02 & C-03]	1 mg (1:10,000) IV/IO	0.01 mg/kg
	Medical Shock [M-06]	Bolus: 10-20 mcg IV/IO <u>Drip:</u> 0.1-1 mcg/kg/min	0.1-1 mcg/kg/min [No bolus]
	Nasal/Oral Bleed [M-07]	1 mg (1:1000) Topically	[SAME]

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Etomidate [Amidate]	DAI/RSI [A-04]	20-30 mg IV/IO	0.3 mg/kg
	Procedures [RX-05]	5-10 mg IV/IO	WB Adults: 0.1-0.2 mg/kg <i>Pediatrics:</i> per Medical Control
Fentanyl [Sublimaze]	Pain [RX-02]	25-100 mcg IV/IO 50-100 mcg IM/IN	1 mcg/kg
	Procedures [RX-05]	25-50 mg IV/IO 50-100 mg IM/IN	WB Adults: 0.5-1 mg/kg <i>Pediatrics:</i> per Medical Control
	Advanced Sedation/Pain [RX-06]	0.5-2 mcg/kg/hour	Same as Adults
Glucagon	Hypoglycemia [1-04]	1-2 mg IV/IO or IM	>20 kg: 1 mg <20 kg: 0.5 mg
Hydromorphone [Dilaudid]	Pain [RX-02]	0.5-1 mg IV/IO or IM	0.01 mg/kg
Ibuprofen [Motrin, etc.]	Pain [RX-02] Fever [M-06]	400 mg PO	10 mg/kg
Ipratropium [Atrovent]	Asthma/COPD [A-06]	0.5 mg Mixed with albuterol neb	[SAME]
Ketamine	DAI/RSI [A-04]	200 mg IV/IO	WB: 2 mg/kg
	Anxiolysis/ Chemical Rest. [RX-04]	SAT=3: 100-200 mg IV/IO; or 400-500 mg IM or IN SAT=2: 50-100 mg IV/IO	WB Adults: 0.5-2 mg/kg IV/IO 4-5 mg/kg IM <i>Pediatrics:</i> per Medical Control
	Seizures [M-08]	100 mg IV/IO	1-2 mg/kg
	Ketamine for Pain [RX-03]	25-50 mg <u>SLOW</u> IV/IO or IM 0.75 mg/kg Nebulized	per Medical Control
	Procedures [RX-05]	50-100 mg IV/IO 100-200 mg IM	WB Adults: 0.5-1 mg/kg <i>Pediatrics:</i> per Medical Control
	Advanced Sedation/Pain [RX-06]	0.2-2 mg/kg/hour	Same as Adults

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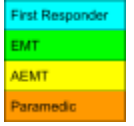
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Ketorolac [Toradol]	Pain [RX-02] Fever [M-06]	7.5-15 mg IV/IO 30 mg IM	N/A
Labetalol	Hypertension [M-04]	10 mg IV/IO	N/A
Lidocaine [Xylocaine]	VFib/VTach [C-03] Wide-Tachycardia [C-08] Torsades (short QT) [C-09]	100 mg IV/IO initial Repeat at ½ of initial dose	1 mg/kg
	{DRIP}	2-4 mg/min	per Medical Control
		MIX: 2 grams in 500 mL D5W	
		Concentration: 4 mg/mL (use 60 gtt. set)	
		Adult	Peds (for reference)
	2 mg/min	30 gtt/min	0.3 gtt/kg/min
	4 mg/min	60 gtt/min	0.6 gtt/kg/min
Lorazepam [Ativan]	Anxiolysis/ Chemical Rest. [RX-04]	SAT=2: 1-2 mg IV/IO; or 2 mg IM/IN SAT=1: 0.5-1 mg IV/IO; or 1 mg IM/IN	per Medical Control
	Seizures [M-08]	2 mg IV/IO <u>or</u> 2 mg IM/IN	0.1 mg/kg
Magnesium Sulfate	Asthma/COPD [A-06]	2 grams slow IV/IO	25-50 mg/kg
	Eclampsia [OB-08]	4 grams IV/IO	N/A
	Torsades (long QT) [C-09]	4 grams slow IV/IO	50 mg/kg
	{DRIP}	4 g in 250ccD ₅ W (16 mg/ml) run at 30-60 gtts/min	per Medical Control
Methylprednisolone [Solu-Medrol]	Allergic Reaction [M-02] Asthma/COPD [A-06]	125 mg IV/IO or IM	per Medical Control
Metoprolol [Lopressor]	Narrow-Tach [C-07]	2.5-5 mg IV/IO	per Medical Control

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Midazolam [Versed]	DAI/RSI [A-04]	10 mg IV/IO	WB: 0.1 mg/kg
	Anxiolysis/ Chemical Rest. [RX-04]	SAT=2: 1-2 mg IV/IO; or 2-5 mg IM/IN SAT=1: 0.5-1 mg IV/IO; or 1-2 mg IM/IN	per Medical Control
	Seizures [M-08]	5 mg IV/IO or 5 mg IM/IN	0.1 mg/kg IV/IO 0.2 mg/kg IM/IN
	Procedures [RX-05]	1-2 mg IV/IO 2-5 mg IM/IN	WB Adults: 0.5-1 mg/kg Pediatrics: per Medical Control
	Advanced Sedation/Pain [RX-06]	0.5-2 mcg/kg/hour	[SAME]
Morphine	Pain [RX-02]	5-10 mg IV/IO or IM	0.1 mg/kg
Nitroglycerine	Chest Pain [C-06] CHF [A-05] Hypertension [M-04]	0.4 mg SL or spray q 5 min (Maximum 3 doses, unless otherwise directed)	N/A
Naloxone [Narcan]	Opiates/Sedatives [H-09]	0.1-0.2 mg IV/IO, IM 2 mg IN	0.01 mg/kg
Norepinephrine [Levophed]	Bradycardia [C-05] Medical Shock [M-06]	Drip: 0.1-2 mcg/kg/min	[SAME]
Ondansetron [Zofran]	Abd Pain/Vomiting [M-01]	4 mg IV/IO, IM or PO (ODT)	<1 yr: contact Medical Control 1-4 yr: 2 mg >4 yr: 4 mg
Piperacillin/ Tazobactam [Zosyn]	Fever/Sepsis [M-05]	3.375 grams IV/IO	Contact Medical Control
Promethazine [Phenergan]	Abd Pain/Vomiting [M-01]	25 mg IM	Contact Medical Control
Propofol [Diprivan]	Advanced Sedation/Pain [RX-06]	5-50 mcg/kg/minute	Same as Adults
Rocuronium [Zemuron]	DAI/RSI [A-04]	100 mg IV/IO	WB: 1 mg/kg

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Sodium Bicarbonate	Cardiac Arrest [C-02 & C-03] Overdose [H-02]	1 mEq/kg IV/IO [1 ampule]	1 mEq/kg
Succinylcholine [Anectine]	DAI/RSI [A-04]	100-150 mg IV/IO	WB: 1-2 mg/kg
Tranexamic Acid [TXA]	Angioedema [M-02]	1 gram IV/IO	Contact Medical Control
	Hemorrhagic Shock [T-04] Head Trauma [T-07]	2 grams IV/IO	15 mg/kg
	Nasal/Oral Bleed [M-07]	1 gram Topically	Same as adults
	Stroke [M-09]	2 grams IV/IO <i>*Only after approval of Online Medical Control</i>	Contact Medical Control
Vecuronium [Norcuron]	DAI/RSI [A-04]	10 mg IV/IO	WB: 0.1 mg/kg