

Medication List
NYC REMAC Protocols (2024 revision)

Medication (B)=Required for BLS (A) = Required for ALS (A^x)=A^x or matching A^x required for ALS	Protocol	CFR (C) EMT (E) Paramedic (P) HazTac E (HE) HazTac P (HP) Rescue P (RP) Tactical P (ESU)	Standing Order (SO) Medical Control Option (MCO) OMA MD (OMA)	Route	Dose
acetaminophen	<i>General Pain Management (Adult and Pediatric)</i>	P	SO	PO/IV	15 mg/kg (max 1000 mg)
	<i>Blood Transfusion (Febrile Reaction, Sepsis) (Adult)</i>	RP	SO	PO/IV	1000 mg (adult patients), 15 mg/kg (max 1000 mg) (pediatric patients)
	<i>Pain Management</i>	RP	SO	PO/IV	1000 mg (adult patients), 15 mg/kg (max 1000 mg) (pediatric patients)
	<i>Indirect Threat Care / Warm Zone Protocols</i>	ESU	SO	PO	1000 mg
adenosine (A)	<i>Supraventricular Tachycardia (SVT) (Adult)</i>	P	SO	IV	6 mg /12 mg / 12 mg
	<i>Dysrhythmia (Pediatric)</i>	P	MCO	IV	0.1 mg/kg (max 6 mg)
		P	MCO	IV	0.2 mg/kg (max 12 mg) - repeat once
albuterol (B)	<i>Anaphylaxis / Severe Allergic Reaction (Adult and Pediatric)</i>	E	SO	nebulized	3 ml (0.083% solution) - repeat up to 3 doses (given with ipratropium)
		P	SO	nebulized	3 ml (0.083% solution) - repeat up to 3 doses (in addition to the 3 doses given prior with ipratropium)
		E/P	MCO	nebulized	3 ml (0.083% solution) - repeat up to 3 doses
	<i>Asthma / COPD / Wheezing (Adult and Pediatric)</i>	C	SO	MDI or nebulized	Assist with patient's prescribed medication
		E	SO	nebulized	3 ml (0.083% solution) (age ≥ 2 years) - repeat up to 3 doses (administered with ipratropium)
		P	SO	nebulized	3 ml (0.083% solution) (age ≥2 years) - repeat up to 3 doses (in addition to 3 doses given prior with ipratropium)
		E/P	MCO	nebulized	3 ml (0.083% solution) - repeat up to 3 doses
	<i>Initial Management</i>	HE	SO	breath actuated nebulizer	1 unit dose (0.083% solution) - repeat until patient improvement
	<i>Compressive Syndrome</i>	RP	SO	nebulized	(0.5% solution) 20 mg (adult or pediatric ≥ 30 kg), 10 mg (pediatric patients < 30 kg)

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amiodarone (A)	<i>Non-Traumatic Cardiac Arrest (Adult)</i>	P	SO	IV	300 mg
		P	MCO	IV	150 mg
	<i>Non-Traumatic Cardiac Arrest (Pediatric)</i>	P	SO	IV	5 mg/kg (max 300 mg)
		P	MCO	IV	5 mg/kg (max 150 mg) - repeat up to 3 doses (max 450mg cumulative)
	<i>Atrial Fibrillation / Atrial Flutter (Adult)</i>	P	MCO	IV	150 mg (diluted in 100 mL D5W) over 10 minutes
	<i>Supraventricular Tachycardia (SVT) (Adult)</i>	P	MCO	IV	150 mg (diluted in 100 mL D5W) over 10 minutes
	<i>Ventricular Tachycardia with a Pulse / Wide-Complex Tachycardia of Uncertain Type (Adult)</i>	P	SO	IV	150 mg (diluted in 100 mL D5W) over 10 minutes
	<i>Ventricular Tachycardia with a Pulse / Wide-Complex Tachycardia of Uncertain Type (Adult)</i>	P	MCO	IV	150 mg (diluted in 100 mL D5W) over 10 minutes
aspirin (B)	<i>Acute Coronary Syndrome / Suspected Myocardial Infarction / Chest Pain (Adult)</i>	C	SO	PO	324 mg
atropine (A)	<i>Severe Bradycardia (Pediatric)</i>	P	SO	IV	0.02 mg/kg (min 0.1 mg, max 0.5 mg)
		P	MCO	IV	0.02 mg/kg (min 0.1 mg, max 0.5 mg)
	<i>Brady-Dysrhythmia (Adult)</i>	P	SO	IV	1 mg
		P	MCO	IV	1 mg (every 3-5 minutes) (max cumulative dose 3mg)
blood components	<i>Initial Management</i>	RP	OMA	IV	per OMA
calcium chloride (A)	<i>Non-Traumatic Cardiac Arrest (Adult)</i>	P	MCO	IV	1 gm
	<i>Non-Traumatic Cardiac Arrest (Pediatric)</i>	P	MCO	IV	20 mg/kg (max 1 gm)
	<i>Brady-Dysrhythmia (Adult)</i>	P	MCO	IV	1 gm
	<i>Ventricular Tachycardia with a Pulse / Wide-Complex Tachycardia of Uncertain Type (Adult)</i>	P	MCO	IV	1 gm
	<i>Compressive Syndrome</i>	RP	SO	IV	(10% solution) 1 gm (adult patients), 20 mg/kg (max 1 gm) (pediatric patients)

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calcium gluconate	Hydrogen Fluoride/Hydrofluoric Acid	HE	SO	Topical	gel (dermal exposure)
		HE	SO	Intraocular	1% solution (ocular contamination)
		HP	OMA	breath actuated	5 ml (10% solution) (repeat once) (max dose 5 gm)
		HP	OMA	IV	1 gm (10% solution) (adult patients), 0.5 gm (10% solution) (pediatric patients)
	Compressive Syndrome	RP	SO	IV	(10% solution) 1gm (adult patients), 100mg/kg (max 1 gm) (pediatric patients)
cefotetan	Prolonged Field Care	RP	OMA	IV/IM	2 gm (adult patients), 30 mg/kg (pediatric patients, max 2 gm)
crystalloid fluids (A)	Non-Traumatic Cardiac Arrest (Adult)	P	MCO	IV	20 ml/kg (max 2 L)
	Non-Traumatic Cardiac Arrest (Pediatric)	P	SO	IV	20 ml/kg (max 2 L)
		P	MCO	IV	20 ml/kg (max 2 L)
	Anaphylaxis / Severe Allergic Reaction (Adult and Pediatric)	P	SO	IV	20 ml/kg (max 2 L)
		P	MCO	IV	20 ml/kg (max 2 L)
	Atrial Fibrillation / Atrial Flutter (Adult)	P	MCO	IV	10 ml/kg
	Dysrhythmia (Pediatric)	P	SO	IV	20 ml/kg (max 2 L)
	Neonatal Care / Resuscitation	P	SO	IV	10ml/kg IV
	Heat Emergencies (Adult and Pediatric)	P	SO	IV	20 ml/kg (max 2 L)
	Cold Emergencies (Adult and Pediatric)	P	SO	IV	20 ml/kg (max 2 L)
	Severe Sepsis and Septic Shock (Adult and Pediatric)	P	SO	IV	20 ml/kg (cumulative fluid bolus 40 ml/kg) (adult patients)
		P	MCO	IV	20 ml/kg (cumulative fluid bolus 40 ml/kg) (pediatric patients)
	Shock (Adult)	P	SO	IV	20 ml/kg (cumulative dose 40 ml/kg)
	Hyperglycemia (Adult and Pediatric)	P	SO	IV	20 ml/kg (max 1 L)
		P	MCO	IV	20 ml/kg (max 1 L)

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crystalloid fluids (A) cont.	<i>General Trauma Care (Adult and Pediatric)</i>	P	SO	IV	20 ml/kg (max 2 L)
	<i>Traumatic Cardiac Arrest (Adult and Pediatric)</i>	P	SO	IV	20 ml/kg (max 2 L)
		P	MCO	IV	20 ml/kg (max 1 L)
	<i>Burns (Adult and Pediatric)</i>	P	SO	IV	20 ml/kg (max 1 L)
		P	MCO	IV	20 ml/kg (max 1 L)
	<i>Initial Management</i>	HP	SO	IV	KVO/Wide Open (normal saline)
	<i>Initial Management</i>	RP	SO	IV	administer to maintain SBP $\geq$ 100 mm Hg or normal mental status
	<i>Prolonged Field Care</i>	RP	SO	IV	weight based dosing per protocol (D5 1/2 NS)
	<i>Compressive Syndrome</i>	RP	SO	IV	20 ml/kg (rate 1 L/hr) (lactated ringers) (max 2 L) (adult patients)
		RP	SO	IV	weight based dosing per protocol (lactated ringers) (pediatric patients)
	<i>Environmental Emergencies - Hypothermia</i>	RP	SO	IV	20 ml/kg (normal saline) (max 2 L)
	<i>Environmental Emergencies - Burns</i>	RP	SO	IV	rate in ml/hr = %TBSA x 10 (patients 40-80 kg), increase by 100 ml/hr for every 10 kg body weight > 80 kg (Lactated Ringer's solution) (adult patients)
		RP	SO	IV	20 ml/kg, then weight based formula (Lactated Ringer's solution) (pediatric patients)
		RP	OMA	IV	weight based formula (D5 1/2 NS) (pediatric patients)
	<i>Indirect Threat Care / Warm Zone Protocols</i>	ESU	SO	IV	500 ml (repeat once) (max 1 L)

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dexamethasone (A ¹)	<i>Anaphylaxis / Severe Allergic Reaction (Adult and Pediatric)</i>	P	SO	IV/IM/PO	0.6 mg/kg (max 12 mg)
	<i>Asthma / COPD / Wheezing (Adult and Pediatric)</i>	P	SO	IV/IM/PO	0.6 mg/kg (max 12 mg) (age ≥ 2 years)
		P	MCO	IV/IM/PO	0.6 mg/kg (max 12 mg) (age < 2 years)
	<i>Stridor / Croup / Epiglottitis (Pediatric)</i>	P	SO	IV/IM/PO	0.6 mg/kg (max 12 mg) (age ≥ 2 years)
		P	MCO	IV/IM/PO	0.6 mg/kg (max 12mg) (age < 2 years)
dextrose (A)	<i>Non-Traumatic Cardiac Arrest (Pediatric)</i>	P	SO	IV	0.5 gm/kg (max 25 gm)
	<i>Altered Mental Status (Adult and Pediatric)</i>	P	SO	IV	Up to 25 gm (adult patients)
		P	SO	IV	0.5 gm/kg (max 25 gm) (pediatric patients)
	<i>Neonatal Care / Resuscitation</i>	P	SO	IV	0.5 gm/kg (10% solution)
	<i>Compressive Syndrome</i>	RP	SO	IV	based on BGL (adult patients), age based (pediatric patients)
diazepam	<i>Excited Delirium (Adult and Pediatric)</i>	P	MCO	IV/IN/IM	0.2 mg/kg (max 5 mg) (adult patients)
	<i>Overdose (Adult and Pediatric)</i>	P	MCO	IV/IN/IM	0.2 mg/kg (max 5 mg)
	<i>Seizures (Adult and Pediatric)</i>	P	SO	IV	0.2 mg/kg (max 5 mg) (repeat with max cumulative dose 10 mg)
	<i>Procedural Sedation/ Sedation for Advance Airway Management (Adult and Pediatric)</i>	P	SO	IV	0.1 mg/kg (max 10 mg) (adult patients) (procedural sedation)
		P	SO	IV	0.2 mg/kg (max 10 mg) (adult patients) (after airway placement)
		P	MCO	IV	(adult patients outside critieria or pediatric patients)
	<i>Weapons of Mass Destruction: Nerve Agent Exposure (Adult and Pediatric)</i>	P	SO	IM	0.5 mg/kg (max 5 mg) (repeat with cumulative max dose 10 mg) (weight < 18 kg)
		P	SO	IM	0.5 mg/kg (max 10 mg) (repeat with max cumulative dose 30 mg) (weight 18-40 kg)
		P	SO	IM	10 mg auto-injector (repeat with max cumulative dose 30 mg) (weights > 40 kg)

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diazepam cont.	<i>Initial Management</i>	HP	SO	IV	0.2 mg/kg (max 5 mg) (repeat with max cumulative dose 10 mg)
	<i>Environmental Emergencies - Heat Illness</i>	RP	SO	IV	0.1 mg/kg (max 5 mg)
	<i>Sedation - Procedural</i>	RP	SO	IV	0.1 mg/kg (max 5 mg) (repeat with max cumulative dose 10 mg)
	<i>Sedation - After Advanced Airway Maneuvers</i>	RP	SO	IV	0.2 mg/kg (max 5 mg) (repeat with max cumulative dose 10 mg)
diltiazem	<i>Atrial Fibrillation / Atrial Flutter (Adult)</i>	P	MCO	IV	0.25 mg/kg
	<i>Supraventricular Tachycardia (SVT) (Adult)</i>	P	MCO	IV	0.25 mg/kg
diphenhydramine (A)	<i>Anaphylaxis / Severe Allergic Reaction (Adult and Pediatric)</i>	P	SO	IV/IM	1 mg/kg (max 50 mg)
	<i>Overdose (Adult and Pediatric)</i>	P	MCO	IV/IM	1 mg/kg (max 50mg)
dopamine (A²)	<i>Brady-Dysrhythmia (Adult)</i>	P	MCO	IV	5 mcg/kg/min (max 20 mcg/kg/min)
epinephrine (B) (A²)	<i>Non-Traumatic Cardiac Arrest (Adult)</i>	P	SO	IV	1 mg - repeat every 3-5 minutes (1:10,000)
	<i>Non-Traumatic Cardiac Arrest (Pediatric)</i>	P	SO	IV	0.01 mg/kg (max 1 mg) - repeat every 3-5 minutes (1:10,000)
	<i>Severe Bradycardia (Pediatric)</i>	P	SO	IV	0.01 mg/kg (max 1 mg) - repeat every 3-5 minutes (1:10,000)

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epinephrine (B) (A²) cont	<i>Anaphylaxis / Severe Allergic Reaction (Adult and Pediatric)</i>	C	SO	IM	0.15 mg auto-injector (age < 9 years and weight < 30 kg)
		C	SO	IM	0.3 mg auto-injector (age ≥ 9 years or weight ≥ 30 kg)
		E	SO	IM	0.15 mg auto-injector or syringe (age < 9 years and weight < 30 kg) (repeat with max 2 doses including CFR administration)
		E	MCO	IM	0.15 mg auto-injector or syringe (age < 9 years and weight < 30 kg)
		E	SO	IM	0.3 mg auto-injector or syringe (age ≥ 9 years and weight ≥ 30 kg) (repeat with max 2 doses including CFR administration)
		E	MCO	IM	0.3 mg auto-injector or syringe (age ≥ 9 years and weight ≥ 30 kg)
		P	SO	IM	0.01 mg/kg (1:1,000 concentration) (max 0.3 mg) (repeat with max 3 doses including CFR/EMT administration)
		P	MCO	IM	0.01 mg/kg (1:1,000 concentration) (max 0.3 mg)
	<i>Brady-Dysrhythmia (Adult)</i>	P	MCO	IV	2 mcg/min (max 10 mcg/min)
	<i>Neonatal Care / Resuscitation</i>	P	SO	IV	0.01 mg/kg - repeat every 3-5 minutes (1:10,000)
	<i>Asthma / COPD / Wheezing (Adult and Pediatric)</i>	E	SO	IM	0.15 mg auto-injector or syringe (age < 9 years and weight < 30 kg) (repeat with max 2 doses including CFR administration)
		E	MCO	IM	0.15 mg auto-injector or syringe (age < 9 years and weight < 30 kg)
		E	SO	IM	0.3 mg auto-injector or syringe (age ≥ 9 years and weight ≥ 30 kg)
		E	MCO	IM	0.3 mg auto-injector or syringe (age ≥ 9 years and weight ≥ 30 kg)
		P	SO	IM	0.01 mg/kg (1:1,000 concentration) (max 0.3 mg) (repeat with max 2 doses including EMT administration)
		P	MCO	IM	0.01 mg/kg (1:1,000 concentration) (max 0.3 mg)
	<i>Stridor / Croup / Epiglottitis (Pediatric)</i>	P	SO	nebulized	3 mg (L-epinephrine) (1:1,000)
		P	SO	nebulized	0.5 ml (2.25% Racemic epinephrine)
	<i>Severe Sepsis and Septic Shock (Adult and Pediatric)</i>	P	SO	IV	10 mcg (adult patients) - repeat every 3-5 minutes
		P	MCO	IV	5 mcg (pediatric patients) - repeat every 3-5 minutes
	<i>Shock (Adult)</i>	P	SO	IV	10 mcg - repeat every 3-5 minutes

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ertapenem	<i>Prolonged Field Care</i>	RP	OMA	IV/IM	1 gm (adult patients), 15 mg/kg (pediatric patients, max 500 mg)
	Blood Transfusion (Sepsis) (Adult)	RP	OMA	IV/IM	1 gm
etomidate	<i>Procedural Sedation/ Sedation for Advance Airway Management (Adult and Pediatric)</i>	P	SO	IV	0.15 mg/kg (max 20 mg) (adult patients) (procedural sedation)
		P	SO	IV	0.3 mg/kg (max 40 mg) (adult patients) (induction advanced airway)
		P	MCO	IV	(adult patients outside criteria, or pediatric patients)
	<i>Airway Management</i>	RP	SO	IV	0.3 mg/kg (induction)
fentanyl (A³)	<i>General Pain Management (Adult and Pediatric)</i>	P	SO	IV/IM/IN	1 mcg/kg (max 100 mcg) (incremental doses titrated to effect). Repeat up to an additional 1mcg/kg (max cumulative dose 200 mcg)
		P	MCO	IV/IM/IN	1 mcg/kg
	<i>Procedural Sedation/ Sedation for Advance Airway Management (Adult and Pediatric)</i>	P	SO	IV	1 mcg/kg (max 100 mcg) (after airway placement)
	<i>Environmental Emergencies - Heat Illness</i>	RP	SO	IV	1 mcg/kg (max 100 mcg)
	<i>Pain Management</i>	RP	SO	IV/IM	1 mcg/kg (max 100 mcg) (repeat with max cumulative dose 200 mcg)
		RP	SO	Trans-mucosal	400 mcg (adult patients)
	<i>Indirect Threat Care / Warm Zone Protocols</i>	ESU	SO	IV	1 mcg/kg (max 100 mcg)
		ESU	SO	IM/IN	2 mcg/kg (max 100 mcg)
		ESU	SO	Transmucosal	800 mcg

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furosemide (A)	<i>Respiratory Distress / Respiratory Failure (Adult)</i>	P	MCO	IV	20-80 mg
	<i>Prolonged Field Care</i>	RP	OMA	IV	0.5 mg/kg (max 40 mg)
glucagon (A)	<i>Altered Mental Status (Adult and Pediatric)</i>	P	SO	IM/IN	1 mg
glucose (B)	<i>Altered Mental Status (Adult and Pediatric)</i>	E	SO	PO	glucose solution
hydroxocobalamin	<i>Cyanide Poisoning (Adult and Pediatric)</i>	P	SO	IV	5 gm (adult patients), 75 mg/kg (max 5 gm) (pediatric patients) - repeat once
ibuprofen	<i>Pain Management</i>	RP	SO	PO	600 mg (adult patients), 10 mg/kg (max 600 mg) (pediatric patients)
	<i>Indirect Threat Care / Warm Zone Protocols</i>	ESU	SO	PO	800 mg
insulin (regular)	<i>Compressive Syndrome</i>	RP	SO	IV	0.1 units/kg (max 10 units)
ipratropium (B)	<i>Anaphylaxis / Severe Allergic Reaction (Adult and Pediatric)</i>	E	SO	nebulized	2.5 ml (0.02% solution) (age ≥ 6 years) - repeat up to 3 doses
	<i>Asthma / COPD / Wheezing (Adult and Pediatric)</i>	E	SO	nebulized	2.5 ml (0.02% solution) (age ≥ 6 years) - repeat up to 3 doses
	<i>Initial Management</i>	HE	SO	<i>breath actuated</i>	2.5 ml (0.02% solution) - repeat up to 3 doses with albuterol
ketamine	<i>Behavioral Emergencies (Adult and Pediatric)</i>	P	MCO	IM	2-4 mg/kg (max 400 mg) (adult or pediatric patients)
		P	MCO	IN	1-2 mg/kg (max 200 mg) (adult or pediatric patients)
	<i>General Pain Management (Adult and Pediatric)</i>	P	MCO	IV/IM/IN	0.2 mg/kg (IV) (max 25 mg) or 0.4 mg/kg (IM/IN) (max 50 mg)
	<i>Procedural Sedation/ Sedation for Advance Airway Management (Adult and Pediatric)</i>	P	SO	IV	1 mg/kg (max 100 mg) (adult patients) (procedural sedation or after airway placement)
					2 mg/kg (max 200 mg) (adult patients) (induction advanced airway)
		P	MCO	IV	(adult patients outside criteria, or pediatric patients)

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ketamine cont.	Airway Management	RP	SO	IV	2 mg/kg (induction)
					1 mg/kg (awake advance airway placement) (adult patients)
	Sedation - Anxiolysis	RP	SO	IM/IN	0.5 mg/kg
	Sedation - Procedural	RP	SO	IV	1 mg/kg (repeat once)
	Sedation - After Advanced Airway Maneuvers	RP	SO	IV	1 mg/kg (repeat once)
	Sedation - Post-Intubation	RP	OMA	IV	1-4 mg/kg/hr gtt
	Pain Management	RP	SO	IV	0.3 mg/kg - repeat once
		RP	SO	IM/IN	1 mg/kg - repeat once
	Indirect Threat Care / Warm Zone Protocols	ESU	SO	IV	2 mg/kg (induction)
					1 mg/kg (continued sedation after successful advanced airway) (repeat as needed)
					1 mg/kg (anxiolysis) (repeat as needed)
		ESU	SO	IM/IN	2 mg/kg (anxiolysis) (repeat as needed)
		ESU	SO	IV	0.3 mg/kg (pain management) (repeat as needed)
		ESU	SO	IM/IN	1 mg/kg (pain management) (repeat as needed)
ketorolac	General Pain Management (Adult and Pediatric)	P	SO	IV/IM	15 mg (adult patients)
	Pain Management	RP	SO	IV/IM	15 mg (adult patients), 0.5 mg/kg (max 15 mg) (pediatric patients)
	Indirect Threat Care / Warm Zone Protocols	ESU	SO	IV	15 mg
		ESU	SO	IM	30 mg

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lidocaine (A)	<i>Non-Traumatic Cardiac Arrest (Adult)</i>	P	SO	IV	100 mg
		P	MCO	IV	50 mg
	<i>Non-Traumatic Cardiac Arrest (Pediatric)</i>	P	SO	IV	1 mg/kg (max 100 mg)
	<i>Ventricular Tachycardia with a Pulse / Wide-Complex Tachycardia of Uncertain Type (Adult)</i>	P	SO	IV	1 mg/kg (max 100 mg)
	<i>Ventricular Tachycardia with a Pulse / Wide-Complex Tachycardia of Uncertain Type (Adult)</i>	P	MCO	IV	1 mg/kg (max 100 mg)
	<i>General Operating Procedures</i>	P	SO	IO	0.5 mg/kg (max 50 mg) with one repeat 0.25 mg/kg (max 25 mg) as neededd (prior to meds or fluid administration)
	<i>Airway Management</i>	RP	SO	MAD	10 ml (4% lidocaine) (awake advanced airway placement) (adult patients)
	<i>Indirect Threat Care / Warm Zone Protocols</i>	ESU	SO	IO	0.5 mg/kg (max 50 mg) (conscious patient) (2% preservative-free lidocaine) (repeat 0.25 mg/kg, max 25 mg)
lorazepam	<i>Behavioral Emergencies (Adult and Pediatric)</i>	P	MCO	IV/IM/IN	0.1 mg/kg (max 2 mg IV/IN, max 4 mg IM) (adult or pediatric patients)
	<i>Overdose (Adult and Pediatric)</i>	P	MCO	IV/IM/IN	0.1 mg/kg (max 2 mg)
	<i>Seizures (Adult and Pediatric)</i>	P	SO	IV/IM/IN	0.1 mg/kg (max 2 mg) (repeat with max cumulative dose 4 mg)
	<i>Procedural Sedation/ Sedation for Advance Airway Management (Adult and Pediatric)</i>	P	SO	IV	0.02 mg/kg (max 4 mg) (adult patients) (procedural sedation)
		P	SO	IV	0.1 mg/kg (max 4 mg) (adult patients) (after airway plcaement)
		P	MCO	IV	weight based dosing listed in standing orders (adult patients outside critieria, or pediatric patients)
	<i>Initial Management</i>	HP	SO	IV/IN/IM	0.1 mg/kg (max 2 mg) (repeat with max cumulative dose 4 mg)

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magnesium (A)	<i>Non-Traumatic Cardiac Arrest (Adult)</i>	P	MCO	IV	2 gm
	<i>Non-Traumatic Cardiac Arrest (Pediatric)</i>	P	MCO	IV	25-50 mg/kg (max 2 gm)
	<i>Ventricular Tachycardia with a Pulse / Wide-Complex Tachycardia of Uncertain Type (Adult)</i>	P	MCO	IV	2 gm
	<i>Obstetric Emergencies</i>	P	SO	IV	4 gm (eclampsia)
		P	MCO	IV	2 gm (severe pre-eclampsia)
	<i>Asthma / COPD / Wheezing (Adult and Pediatric)</i>	P	SO	IV	2 gm (adult patients)
		P	MCO	IV	50 mg/kg (pediatric patients) (max 2 gm)
mannitol	<i>Compressive Syndrome</i>	RP	OMA	IV	0.25 g/kg (adult patients)
meloxicam	<i>Indirect Threat Care / Warm Zone Protocols</i>	ESU	SO	PO	15 mg
methylene blue	<i>Methemoglobinemia</i>	HP	SO	IV	2 mg/kg (1% solution) - repeat once
methylprednisolone (A¹)	<i>Anaphylaxis / Severe Allergic Reaction (Adult and Pediatric)</i>	P	SO	IV/IM	1 mg/kg (max 60 mg)
	<i>Asthma / COPD / Wheezing (Adult and Pediatric)</i>	P	SO	IV/IM	1 mg/kg (max 60 mg) (age ≥ 2 years)
		P	MCO	IV/IM	1 mg/kg (max 60 mg) (age < 2 years)
	<i>Stridor / Croup / Epiglottitis (Pediatric)</i>	P	SO	IV/IM	1 mg/kg (max 60 mg) (age ≥ 2 years)
		P	MCO	IV/IM	1 mg/kg (max 60 mg) (age < 2 years)
metoprolol	<i>Stroke [Cerebrovascular Accident (CVA)] (Adult and Pediatric)</i>	P	MCO	IV	5 mg

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midazolam (A)	Behavioral Emergencies (Adult and Pediatric)	P	SO	IM/IN/IV	0.2 mg/kg (max 10 mg IM/IN, max 5 mg IV) (adult patients)
		P	MCO	IM/IN/IV	0.2 mg/kg (max 10 mg IM/IN, max 5 mg IV) (adult patients)
		P	MCO	IM/IN/IV	0.1 mg/kg (max 5 mg IM/IN, max 2 mg IV) (pediatric patients)
	Overdose (Adult and Pediatric)	P	MCO	IV/IM/IN	0.2 mg/kg (max 5 mg)
	Seizures (Adult and Pediatric)	P	SO	IV/IM/IN	0.2 mg/kg (max 5 mg) (repeat with max cumulative dose 10 mg)
	Procedural Sedation/ Sedation for Advance Airway Management (Adult and Pediatric)	P	SO	IV	0.1 mg/kg (max 5 mg) (adult patients) (procedural sedation)
		P	SO	IV	0.2 mg/kg (max 5 mg) (adult patients) (after airway placement))
		P	MCO	IV	(adult patients outside criteria, or pediatric patients)
	Weapons of Mass Destruction: Nerve Agent Exposure (Adult and Pediatric)	P	SO	IM	0.2 mg/kg (max 3 mg) (cumulative max dose 10 mg) (weight < 18kg)
		P	SO	IM	0.2 mg/kg (max 5 mg) (max cumulative dose 20 mg) (weight 18-40kg)
		P	SO	IM	5 mg (max cumulative dose 20 mg) (weights > 40kg)
	Initial Management	HP	SO	IV/IN/IM	0.2 mg/kg (max 5 mg) (repeat with max cumulative dose 10 mg)
	Environmental Emergencies - Heat Illness	RP	SO	IV	0.1 mg/kg (max 2 mg)
	Airway Management	RP	SO	IV	0.1 mg/kg (max 2 mg) (awake advanced airway placement) (adult patients)
	Sedation - Anxiolysis	RP	SO	IV	0.1 mg/kg (max 2 mg)
		RP	SO	IM/IN	0.3 mg/kg (max 5 mg)
	Sedation - Procedural	RP	SO	IV	0.1 mg/kg (max 5 mg) (repeat with max cumulative dose 10 mg)
	Sedation - After Advanced Aiway Maneuvers	RP	SO	IV	0.2 mg/kg (max 5 mg) (repeat with max cumulative dose 10 mg)
	Indirect Threat Care / Warm Zone Protocols	ESU	SO	IV	0.1 mg/kg (max 2 mg)
	Indirect Threat Care / Warm Zone Protocols	ESU	SO	IN	0.3 mg/kg (max 5 mg)

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morphine (A³)	<i>General Pain Management (Adult and Pediatric)</i>	P	SO	IV/IM	0.1 mg/kg (max 5 mg) (incremental doses titrated to effect) (max cumulative dose 10mg)
		P	MCO	IV/IM	0.1 mg/kg
	<i>Pain Management</i>	RP	SO	IV/IM	0.1 mg/kg (max 10 mg) (repeat) (max cumulative dose 20 mg)
NAAK (atropine and pralidoxime)	<i>Weapons of Mass Destruction: Nerve Agent Exposure (Adult and Pediatric)</i>	C	Class Order	IM	number of auto-injectors per protocol
naloxone (B)	<i>Overdose (Adult and Pediatric)</i>	C	SO	IN	2 mg (adult patients), 1 mg (pediatric patients). Repeat x 1 (max adult 4mg, max pediatric 2mg)
		E	SO	IN	2 mg (adult patients), 1 mg (pediatric patients). Repeat x 1 (max adult 4mg, max pediatric 2mg)
		P	SO	IV/IM/IN	0.5 mg (adult patients, max 4 mg) (age ≥2 years, max 2 mg) (age < 2 years, max 1 mg)
nitroglycerin (A)	<i>Respiratory Distress / Respiratory Failure (Adult)</i>	P	SO	SL/IV	0.4 mg
	<i>Acute Coronary Syndrome / Suspected Myocardial Infarction / Chest Pain (Adult)</i>	E	SO	SL	assist with patient's prescribed medication (max 3 doses)
		P	SO	SL	0.4 mg
norepinephrine	<i>Severe Sepsis and Septic Shock (Adult and Pediatric)</i>	P	SO	IV	2 mcg/min (max 20 mcg/min) (adult patients)
		P	MCO	IV	0.05 mcg/kg/min (max 20 mcg/min) (pediatric patients)
	<i>Shock (Adult)</i>	P	SO	IV	2 mcg/min (max 20 mcg/min)
ondansetron (A)	<i>Severe Nausea / Vomiting (Adult and Pediatric)</i>	P	SO	PO/IV/IM	0.1 mg/kg (max 8 mg) (age ≥ 6 months)
potassium iodide	<i>Radiation Treatment</i>	HP	OMA	PO	per administration chart
proparacaine (A⁴)	<i>Eye Injuries (Adult and Pediatric)</i>	P	SO	eye drops	1-2 gtts (0.5% solution)

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prussian blue	<i>Radiation Treatment</i>	HP	OMA	PO	2 gm (adult patients), 1 gm (pediatric patients age > 2 years)
pyridoxine	<i>Hydrazine Poisoning with Seizures</i>	HP	SO	IV	25 mg/kg - repeat once (max cumulative dose 5 gm)
rocuronium	<i>Airway Management</i>	RP	SO	IV	1 mg/kg (induction)
sodium bicarbonate (A)	<i>Non-Traumatic Cardiac Arrest (Adult)</i>	P	MCO	IV	44-88 mEq
	<i>Non-Traumatic Cardiac Arrest (Pediatric)</i>	P	MCO	IV	1 mEq/kg (max 44 mEq)
	<i>Brady-Dysrhythmia (Adult)</i>	P	MCO	IV	44-88 mEq
	<i>Ventricular Tachycardia with a Pulse / Wide-Complex Tachycardia of Uncertain Type (Adult)</i>	P	MCO	IV	44-88 mEq
	<i>Overdose (Adult and Pediatric)</i>	P	SO	IV	1 mEq/kg (max 44 mEq)
	<i>Chlorine/Chloramine and Related Compounds</i>	HM	OMA	breath actuated	3 ml (7.5% solution mixed with 3 ml NS) (adult patients), 3 ml (4.2% solution mixed with 3 ml NS) (pediatric patients)
	<i>Hydrogen Sulfide</i>	HM	OMA	IV	1 mEq/kg (7.5% solution, adult patients) (4.2% solution, pediatric patients).
	<i>Compressive Syndrome</i>	RP	SO	IV	20 ml/kg (isotonic sodium bicarbonate solution) (max 2 L)
sodium thiosulfate	<i>Cyanide Poisoning (Adult and Pediatric)</i>	P	SO	IV	12.5 gm (adult patient), 250 mg/kg (max 12.5 gm) (pediatric patients)
tetracaine (A⁴)	<i>Eye Injuries (Adult and Pediatric)</i>	P	SO	eye drops	1-2 gtts (0.5% solution)
	<i>Initial Management</i>	HE	SO	eye drops	1-2 gtts (0.5% solution)
tranexamic acid	<i>Initial Management</i>	RP	SO	IV	2 gm (adult patients), 15 mg/kg (pediatric patients, max 2 gm)
	<i>Indirect Threat Care / Warm Zone Protocols</i>	ESU	SO	IV	2 gm
vaccine	<i>Vaccine Administration (Adult and Pediatric)</i>	E	SO	IM/IN	per individual vaccine
vasopressin	<i>Severe Sepsis and Septic Shock (Adult and Pediatric)</i>	P	MCO	IV	0.02 units/min (max 0.04 units/min) (adult patients)
	<i>Shock (Adult)</i>	P	MCO	IV	0.02 units/min (max 0.04 units/min) (adult patients)

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