

Medication/Indication	Scope of Practice	Adult Dose	Pediatric Dose
Naloxone (Narcan)	EMT	0.4-2mg (per dose) IN. May repeat as needed.	0.1mg/kg (max 2mg per dose) IN. May repeat as needed.
Suspected opioid overdose	AEMT	0.4-2mg (per dose) IV/IM/IO/IN repeated as needed	0.1mg/kg (max 2 mg per dose) IV/IM/IO/IN repeated as needed
	Paramedic	0.4-4mg (per dose) IV repeated as needed	0.4-4mg (per dose) IV repeated as needed
Ondansetron (Zofran)	EMT	4mg ODT	
Nausea/vomiting	AEMT	4-8mg IV/IM/PO	0.1mg/kg IV/IM/PO (max 4mg)
	Paramedic	Same as AEMT	Same as AEMT
Acetaminophen (Tylenol)	EMT	500-1000mg PO	15mg/kg (max 650mg) PO or rectally
Fever/Pain Management	AEMT	500-1000mg IV	15mg/kg (max 650mg) IV
	Paramedic	Same as AEMT	Same as AEMT
Ibuprofen	EMT	600mg PO	10mg/kg (max 600mg) PO
Fever/Pain Management	AEMT		Same as EMT
	Paramedic		Same as EMT
Fentanyl	EMT		
Pain Management	AEMT	25-100mcg IV/IO/IM/IN every 10 minutes (max 200mcg)	1mcg/kg (max 50mcg per dose) IV/IM/IO
			OR
			2mcg/kg (max 100mcg per dose) IN . Can be repeated once.
	Paramedic	Same as AEMT	Same as AEMT
Fentanyl	EMT		
Procedural Sedation	AEMT		
	Paramedic	50-100mcg IV	0.5mcg/kg IV (max initial dose of 50mcg)
		May administer additional dose of 50-100mcg IV (max 200mcg total dose)	May administer additional dose of 0.5mcg/kg IV (max total dose 1mcg/kg)
Ketorolac (Toradol)	EMT		
Pain Management	AEMT	15mg IV	0.5mg/kg IV/IM (max 15mg)
		OR	
		30mg IM	
	Paramedic	Same as AEMT	Same as AEMT
Morphine Sulfate	EMT		
Pain Management	AEMT	2-10mg (max 15mg) IV/IM/IO every 5 minutes	0.05-0.1mg/kg (max 4mg) IV/IM/IO
	Paramedic	Same as AEMT	Same as AEMT
Ketamine	EMT		
Pain Management	AEMT		
	Paramedic	40mg in 100ml of NS IV/IO	0.15-0.3mg/kg (max 40mg) in 100ml NS IV/IO
		OR	
		10-20mg every 5 minutes IV/IO (max 40mg)	
Ketamine	EMT		
Procedural Sedation	AEMT		
	Paramedic	100 mg IV initial dose	1mg/kg IV (max initial dose of 100mg)
		May administer additional doses of 50mg every 5 minutes (max total dose 300mg)	May administer additional doses of 0.5mg/kg every 5 minutes (max total dose of 3mg/kg)
Ketamine	EMT		
Chemical Sedation (Behavioral)	AEMT		
	Paramedic	4mg/kg IM	
		OR	
		1mg/kg IV/IO	
Midazolam (Versed)	EMT		
Procedural Sedation	AEMT		
	Paramedic	2.5mg IV	0.05mg/kg IV (max 2.5mg)
		May administer additional doses of 0.5-2.5mg every 5 minutes (max total dose of 10mg)	May administer additional doses of half initial dose every 5 minutes (total max dose 10mg)
Midazolam (Versed)	EMT		
Chemical Sedation (Behavioral)	AEMT	2.5-5mg IV/IO; may repeat once in 10 minutes. Total max dose of 10mg.	0.1mg/kg (max 5mg) IV/IO; may repeat once in 10 minutes. Total max dose of 10mg.
		OR	

		5mg IN/IM; may repeat once in 10 minutes. Total max dose of 10mg.	0.2mg/kg (max 5mg) IN/IM; may repeat once in 10 minutes. Total max dose of 10mg.
	Paramedic	Same as AEMT	Same as AEMT
Midazolam (Versed)	EMT		
Seizures	AEMT	5mg IN/IV/IO; may repeat once in 10 minutes if needed. Total max dose: 10mg.	0.1mg/kg (max 5mg) IV/IO; may repeat once in 10 minutes. Total max dose of 10mg.
		OR	OR
		10mg IM. May repeat once after 10 minutes.	0.2mg/kg IN/IM (max 10mg)
	Paramedic	Same as AEMT	Same as AEMT
Midazolam (Versed)	EMT		
Shivering associated w/ heat emergencies	AEMT	5mg IN/IM/IV/IO. May repeat once in 5 minutes if needed. Total max dose: 10mg.	0.1mg/kg IV/IO (max 5mg). May repeat once in 5 minutes if needed. Total max dose: 10mg.
			OR
			0.2mg/kg IN/IM (max 5mg). May repeat once in 5 minutes if needed. Total max dose: 10mg.
		Same as AEMT	Same as AEMT
Epinephrine (Push Dose)	EMT		
Sustained hypotension not responsive to fluids (non-traumatic shock)	AEMT	10-20mcg as needed to maintain SBP >100mmHg after fluid bolus	1mcg/kg (50mcg max total) repeated as needed to maintain SBP >70 + (age in years x 2) mmHg after fluid bolus
	Paramedic	Same as AEMT	Same as AEMT
Epinephrine (Drip)	EMT		
Sustained hypotension not responsive to fluids (non-traumatic shock)	AEMT		
	Paramedic	0.05-1mcg/kg/min IV/IO infusion titrated to maintain a SBP > 100mmHg	0.05-1mcg/kg/min IV/IO titrated to maintain a SBP > 70 + (age in years x 2) mmHg
Atropine Sulfate	EMT		
Symptomatic Bradycardia	AEMT	1mg IV/IO repeated every 3 minutes (max total dose of 3mg)	0.02mg/kg IV/IO repeated every 3-5 minutes as need until max 2 doses. Maximum single dose of 0.5mg.
	Paramedic	Same as AEMT	Same as AEMT
Atropine Sulfate	EMT		
Organophosphate Poisoning	AEMT		
	Paramedic	2mg rapid IV or IM repeated every 10 minutes until control of symptoms	
Epinephrine 1:10,000	EMT		
Pulseless Patient; Sustained Bradycardia in Newborn	AEMT	1mg IV/IO every 2-4 minutes	0.01mg/kg IV/IO every 2-4 minutes (max dose of 1mg)
	Paramedic	Same as AEMT	Same as AEMT
Amiodarone	EMT		
Pulseless VT/Vfib	AEMT	300mg IV/IO; second dose is 150mg IV/IO after 5 minutes	5mg/kg IV/IO (max 300mg); may repeat up to 3 total doses (max 150mg for second and third doses)
	Paramedic	Same as AEMT	Same as AEMT
Sodium Bicarbonate	EMT		
Known/Suspected Hyperkalemia; Tricyclic Antidepressant OD	AEMT		
	Paramedic	1mEq/kg IV/IO repeated every 5 minutes two times	1mEq/kg IV/IO (max of 50mEq); for <2 years of age use 4.2% concentration
Aspirin (ASA)	EMT	325mg PO chewed	
Chest Pain (Presumed Cardiac)	AEMT	Same as EMT	
	Paramedic	Same as EMT	
Nitroglycerin	EMT		
Chest Pain/Dyspnea	AEMT	0.4mg (every 5 minutes) (max of 3 doses) SL	
	Paramedic	Same as AEMT	
Adenosine	EMT		
SVT	AEMT		
	Paramedic	6mg IV; second and third doses 12mg IV	0.1mg/kg IV (up to 6mg) initial dose; second and third doses 0.2mg/kg IV (to max 12mg)
Epinephrine 1:1,000	EMT	0.5mg IM; repeat every 5 minutes as needed	0.01mg/kg max dose of 0.3mg IM; if >25kg, then give 0.3mg IM. May repeat every 5 minutes as needed.

Anaphylaxis	AEMT	Same as EMT	Same as EMT
	Paramedic	Same as EMT	Same as EMT
Epinephrine 1:1,000	EMT		
Status Asthmaticus unresponsive to inhaled beta-agonists	AEMT	0.5mg (1mg/ml) IM every 20 minutes as needed	0.01mg/kg (max 0.3mg) IM every 20 minutes as needed
	Paramedic	Same as AEMT	Same as AEMT
Albuterol	EMT		
Wheezing	AEMT	2.5mg/3ml every 10 minutes	2.5mg/3ml every 10 minutes
	Paramedic	Same as AEMT	Same as AEMT
Diphenhydramine	EMT		
Allergic Reaction	AEMT	1mg/kg (max 50mg) IV/IO/IM	1mg/kg (max of 50mg) IV/IO/IM
	Paramedic	Same as AEMT	Same as AEMT
Nebulized Epinephrine	EMT		
Stridor	AEMT	2mg Epinephrine (1mg/ml) mixed with 3ml of NS; nebulized every 10 minutes	2mg Epinephrine (1mg/ml) mixed with 3ml of NS; nebulized every 10 minutes
	Paramedic	Same as AEMT	Same as AEMT
Oral Glucose	EMT	15g PO; may repeat in 15 minutes	7.5g PO; may repeat in 15 minutes
Hypoglycemia	AEMT		
	Paramedic		
Dextrose 10%	EMT		
Hypoglycemia	AEMT	125ml (12.5g) IV/IO. May repeat if BGL < 70 upon recheck.	5ml/kg (0.5g/kg) IV/IO; may repeat as needed up to max of 125ml (12.5g).
	Paramedic	Same as AEMT	Same as AEMT
Glucagon	EMT		
Hypoglycemia w/ no IV/IO access	AEMT	1mg IM; may repeat once in 15 minutes	0.01mg/kg (max dose of 1mg) IM
	Paramedic	Same as AEMT	Same as AEMT
Tranexamic Acid (TXA)	EMT		
Post-Partum Hemorrhage	AEMT		
	Paramedic	1g IV slow push/drip over 10 minutes if within 3 hours of injury; may give an additional 1g if bleeding continues after 30 minutes	
Tranexamic Acid (TXA)	EMT		
Suspected Hemorrhagic Shock	AEMT		
	Paramedic	2g in 100ml NS/LR via IV/IO infusion over 10 minutes	15mg/kg in 100ml NS/LR via IV/IO infusion over 10 minutes (max 1000mg); followed by 2mg/kg/hr
Ipratropium	EMT		
Wheezing	AEMT	0.5mg x 1 nebulized treatment every 20 minutes with a max of 2 doses. May combine with Albuterol to make DuoNeb.	0.5mg x 1 nebulized treatment for > 5 years; 0.25mg x 1 nebulized treatment for < 5 years. May repeat twice, 20 minutes apart.
	Paramedic	Same as AEMT	Same as AEMT