

**Medications Administered by Vermont EMS Providers  
February 2006**

**Emergency Care Attendants and Emergency Medical Technicians**

Medication	Route	Dose	
		Adult	Child
Oxygen	inhaled	6-15 liters per minute by nonrebreather or (rarely) 2-4 lpm by nasal cannula	
Oral glucose	oral	one tube	
Activated charcoal	oral	1 gm/kg of body weight	

**Emergency Medical Technician-Intermediate-90s**

Medication	Route	Dose	
		Adult	Child
Dextrose 50%	IV push	25 grams	0.5 - 1 gm/kg body weight up to 25 gm
Epinephrine 1:1,000	SQ, IM	0.3 - 0.5 mg	0.01 mg/kg up to 0.4 mg
Naloxone	IV, SQ, ▲ intranasal	0.4 - 2 mg	0.01 mg/kg
Intravenous solutions		Dose	
Dextrose 5%		KVO	
Lactated Ringer's		KVO to wide open; maximum 1 liter by standing order	20 cc/kg
Normal saline (0.9% sodium chloride)		KVO to wide open; maximum 1 liter by standing order	20 cc/kg

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**Emergency Medical Technician–Intermediate–03s**

Medication	Route	Dose	
		Adult	Child
Albuterol	Inhaled	2 inhalations from metered dose inhaler or 2.5 mg in 3 ml normal saline by nebulizer	
Aspirin	Oral	81 – 325 mg	Not usually given
Glucagon	IM, SQ	0.5 – 1 mg	0.5 mg
Nitroglycerin	Sublingual (tablet or spray)	0.4 mg	Not recommended
Thiamine	IV, IM	100 mg	Not recommended

**Emergency Medical Technician – Paramedics**

Medication	Route	Dose	
		Adult	Child
Adenosine	IV push	6 – 12 mg	0.1 – 0.2 mg/kg up to 12 mg
Amiodarone (for tachycardia)	IV push	150 mg over 10 min	5 mg/kg over 20 – 60 min
Atropine	IV push, ET	0.5 – 1 mg	0.02 mg/kg
Calcium Chloride	IV push	250 – 500 mg	5 – 7 mg/kg
Cetacaine	Topical	1 second spray	Not recommended
Diazepam	IV push, ET	2 – 10 mg/kg	0.2 – 1 mg/kg
	Rectal	0.2 mg/kg	0.2 – 0.5 mg/kg
Diltiazem	IV	0.25 – 0.35 mg/kg	Not usually given

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Diphenhydramine	IV, IM	50 mg	1 – 2 mg/kg
Dopamine	IV drip	2 – 20 µg/kg/min	
Epinephrine 1:10,000	IV push, ET	cardiac arrest: 1 mg anaphylaxis: 0.3 – 0.5 mg	0.01 mg/kg
Epinephrine	IV drip	2 – 10 µg/min	0.01 µg/kg/min
Flumazenil	IV	0.2 – 1 mg	Not usually given
Furosemide	IV push	0.5 – 1 mg/kg	Not usually given
Glycopyrrolate	Inhaled	0.2 – 1.2 mg in 2.5 ml normal saline by nebulizer	Not usually given
Ipratropium	Inhaled	0.5 mg in 2.5 ml normal saline by nebulizer	Not usually given
Lidocaine hydrochloride	IV push, ET	0.5 – 1.5 mg/kg	1 mg/kg
	IV drip	2 – 4 mg/min	20 – 50 µg/kg/min
Lidocaine viscous 2%	Topical	as needed	Not recommended
Lorazepam	Slow IV, IM or Rectal	0.5 – 4 mg	0.05 – 0.1 mg/kg
Magnesium sulfate	IV push	cardiac: 1 – 2 gm	Not recommended
	Slow IV	eclampsia: 2 – 4 gm	
Meperidine	IV	50 – 100 mg	Not usually given
Methylprednisolone	IV	1 mg/kg	Not usually given
Midazolam	IV	1 – 2.5 mg	Not usually given
Morphine sulfate	IV push	1 – 3 mg	Not recommended
Nitroglycerin paste	Topical	1 – 2 inches	Not recommended
50% Nitrous oxide/ 50% oxygen	Inhaled	self-administered p.r.n.	Not recommended
Procainamide	IV	20 – 30 mg/min	Not recommended
Sodium bicarbonate	IV push	1 mEq/kg	
Verapamil	IV push	2.5 – 10 mg	Not recommended