

M A S S A C H U S E T T S

OFFICE OF EMERGENCY MEDICAL SERVICES

DEPARTMENT OF PUBLIC HEALTH

ADMINISTRATIVE REQUIREMENT MANUAL

EFFECTIVE DATE: September 1, 2026

AUTHORIZATION: Susan Lewis, Director

TITLE: Required Medications on Ambulances per Statewide Treatment Protocols

SUPERSEDES: June 1, 2026

Purpose: To define the medications and medication levels ambulance services must carry in order to provide care in accordance with the current Statewide Treatment Protocols (STPs).

Background:

- A. **REGULATORY AUTHORITY:** 105 CMR 170.455, 170.460, 170.470
- B. **AUTHORIZED EQUIPMENT:** Ambulance services must carry medications as required by Statewide Treatment Protocols. Ambulance services must not equip ambulances with medications that are outside of scope of practice of its EMT employees, or outside of the service's level of licensure.
- C. **MAINTENANCE:** All medications must be maintained according to manufacturers' specifications regarding temperature controls and expiration date.
- D. **TRAINING:** Services must complete training and ensure EMTs demonstrate competency in any medication changes for STP v.2026.2 by September 1, 2026. Once a service has successfully trained all of their EMS personnel, they may begin operating under the revised protocols prior to September 1, 2026.

ADVANCED LIFE SUPPORT (ALS-PARAMEDIC LEVEL) MEDICATION LIST

VERSION 2026.2

ALL of the following medications are required (in addition to those required for ALS-Advanced and Basic Life Support [BLS] vehicles):

REQUIRED MEDICATIONS		
Medication Name	Suggested Concentration	Minimum quantity per vehicle
Adenosine (Adenocard)	6mg/2mL	36mg
Amiodarone	150mg/3mL	450mg
Atropine Sulfate	1mg	3mg
Calcium Chloride	10% solution— 100mg/mL	2g
Dextrose 5%* Diluent packaged with norepinephrine		250mL
Diltiazem		100mg
Dopamine** (typically comes in two options)	400mg/250mL OR 800mg/500mL	1 pre-mixed bag
Epinephrine	1mg/1mL	2mg
Fentanyl (Sublimaze)	50mcg/mL	450-900mcg
Furosemide (Lasix)		80mg
Haloperidol (Haldol)	5mg	10mg
Ketorolac	15mg IV or 30mg IM	60mg
Lidocaine HCL	Vials for infusion or pre-mixed bags	2gm/1 bag
Magnesium Sulfate		4g

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VERSION 2026.2

REQUIRED MEDICATIONS		
Medication Name	Suggested Concentration	Minimum quantity per vehicle
Methylprednisolone (Solu-Medrol) OR Hydrocortisone (Solu-Cortef)	125mg OR 100mg	125mg OR 100mg
Metoprolol (Lopressor)	5mg	15mg
Midazolam (Versed)	2mg/mL	20mg
0.9% Normal Saline (in sterile packaging)	100mL	2
Nitroglycerin Paste	1 tube	2 doses
Norepinephrine* (Levophed)	4mg/4mL	4mg
Racemic Epinephrine	11.25mg/2mL	2 doses
Sodium Bicarbonate	50mEq/50mL	100 mEq

OPTIONAL MEDICATIONS	
Antibiotic for IV Infusion***	Lidocaine jelly - 1
Blood Products****	Morphine - 20mg/vehicle
Calcium Gluconate -2g/vehicle	Nasal Neo Synephrine/Phenylephrine - 1
Cetirizine (IV) - 20mg/vehicle	Nerve Agent antidote kit - 2
Cyanide antidote kit - 2	Nitroglycerin for IV Infusion***
Diphenhydramine (IV/IM) - 50mg/vehicle	Oxytocin – minimum of 30 units
Hydroxocobalamin - 5-10g/vehicle	Tetracaine - 1
Ketamine - 1000mg/vehicle	Tranexamic Acid- 2g/vehicle
Any other medications, as authorized by OEMS	

* **Dextrose 5%** is not required for services that do not carry norepinephrine.** **Dopamine** must be carried until IV pump available; once a service has IV pumps available, only **Norepinephrine** must be carried. Services with IV pumps in place may carry both Norepinephrine and Dopamine if they wish; however, only Norepinephrine is required.*** **Antibiotic and Nitroglycerin** for IV use can only be carried and used if IV infusion pump is available.**** **Blood products** in accordance with Medical Director Option Protocol 6.13



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ADVANCED LIFE SUPPORT (ADVANCED EMT LEVEL) MEDICATION LIST

VERSION 2026.2

ALL of the following medications are required (in addition to those required for BLS vehicles):

REQUIRED MEDICATIONS		
Medication Name	Suggested Concentration	Minimum quantity per vehicle
Dextrose	25g of D10, additional Medication as D10, D25, or D50	50g
Epinephrine	1mg/10mL	12mg
Glucagon	1mg	2mg
Ipratropium Bromide (Atrovent) for nebulizer prefilled packaging	500mcg	2000mcg/4 doses
Lidocaine HCL 2%	Pre-Filled syringes - 20mg/mL	200mg
Nitroglycerin Spray	1 Bottle of 400mcg per spray dose	2 Bottles
Nitroglycerin Tabs	1 Bottle or 6 prepackaged units	1 /6 Units
0.9% Normal Saline (in sterile packaging)	1000mL 500mL	2 2
3% hypertonic Normal Saline in sterile packaging (packaged separate and distinct from 0.9% Normal Saline)	500mL	1
Ondansetron (Zofran)	4mg ODT prepackaged tablet or 2mg/ml vial for IV	8mg

OPTIONAL MEDICATIONS

Acetaminophen IV - 2000mg/vehicle

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BASIC LIFE SUPPORT (BLS) MEDICATION LIST

VERSION 2026.2

ALL of the following medications are required. These medications are to be carried by ALS vehicles at the Advanced EMT and Paramedic levels as well.

REQUIRED MEDICATIONS		
Medication Name	Suggested Concentration	Minimum quantity per vehicle
Acetaminophen PO liquid (In addition, a service may carry tablets) with measuring cup for liquid administration	1000mg	At least 2000mg of medication in a multi-patient liquid form.
Albuterol 2.5mg for nebulizer prefilled packaging and/or metered dose inhaler (MDI)	2.5mg	2 doses
Aspirin (chewable)	81mg Tablets	648mg
Epinephrine Auto-Injector OR Epinephrine Check and Inject	Adult and Pedi; 1mg/mL	3 Adult, 3 Pedi Auto-Injectors OR 3 Check and Inject kits
Ibuprofen PO liquid (In addition, a service may carry tablets) with measuring cup for liquid administration	200mg	At least 1200mg of medication in a multi-patient liquid form.
Naloxone (prefilled syringe with nasal atomizer)	2mg	20mg
Oral glucose or equivalent	25g	2

OPTIONAL MEDICATIONS	
Buprenorphine - 24mg/vehicle	Leave-Behind Naloxone Civilian Kits
Glucagon - 2mg/vehicle	Olanzapine - 5mg - 20mg/vehicle
Ipratropium - 2000mcg/vehicle	Risperidone - 2mg - 4mg/vehicle
Cetirizine (In addition, a service may carry liquid) – PO/ODT – 20mg per vehicle, with a measuring cup for liquid administration. May be multi-patient liquid form or tablets	
Diphenhydramine PO liquid (In addition, a service may carry tablets) with measuring cup for liquid administration – 100mg in a multi patient liquid form or tablets	
Epinephrine/Surfactant Nasal Preparation - 1mg/spray and 2mg/spray – 2 per vehicle	