

## Pharmacology Reference for the New York State EMT-Basic (follows 11/20/2008 Protocols)

	Medication Name	NYS Protocol	Indication	Contra-Indication	Medical Control	Action	Common Form	Dosage	Route	Side Effects
<b>Altered Mental Status</b>	<b>Glucose</b>	M-2	Altered mental status with a known history of diabetes controlled by medication. Conscious and capable of swallowing.	Unconscious, or unable to swallow	Standing Order	Raises blood sugar	Gel	1 tube or until patient becomes Alert	Orally	None, when administered appropriately
<b>Allergic Reaction</b>	<b>Epinephrine</b> Epi-Pen (>66 lbs)  Epi-Pen Junior (<66 lbs)	M-3	If the patient is having severe respiratory distress or hypoperfusion, and has been prescribed an epinephrine auto-injector, assist the patient in administering their auto-injector. If the patient's auto-injector is not available, or is expired, and the EMS agency carries an epinephrine auto injector; administer the epinephrine as authorized by your Agency Medical Director.	None when used in emergency situations	If the patient has not been prescribed an auto injector, begin transport and contact Medical Control for authorization to administer available auto-injector. Contact Med Control for authorization to administer a 2 <sup>nd</sup> dose (if needed).	Bronchodilator, Vasoconstrictor	Liquid	Epi-Pen 0.3 mg  Epi-Pen Junior 0.15 mg	Intra-Muscular	Increased BP, increased heart rate, burning at injection site, anxiety
<b>Cardiac</b>	<b>Chewable Aspirin</b>	M-5	Cardiac-Related Chest Pain	Patient has not taken aspirin, and has no history of aspirin allergy, and no evidence of recent gastrointestinal bleeding	Standing Order	Raises blood oxygen level	Tablet (Baby Aspirin)	160-325 mg	Orally	Nausea, heartburn
<b>Cardiac</b>	<b>Nitroglycerin</b>	M-5	If chest pain is present, and the patient possesses nitroglycerin prescribed by his/her physician, and has a systolic blood pressure of at least 120mm Hg, the EMT-B may assist the patient in the self-administration of their prescribed nitroglycerin as indicated on the packaging.	Systolic BP < 120  Patient has taken Viagra within last 48 hours  Previously administered prior to your arrival (contact Med Control)	Standing Order; up to 3 total doses may be given	Vasodilator, Decreases BP	Tablet or Spray	1 Tablet or 1 Meter-Dosed Spray	Sublingual	Headache, tingling under tongue, syncope, flushing, nausea, vomiting, diaphoresis,
<b>Poisoning</b>	<b>Activated Charcoal</b>	M-11	Poisoning	Unconscious; unable to swallow; ingestion of certain substances	On-Line Medical Control Option	Adsorbs and binds poisons	Suspension	Adult: 25-50g Child: 12-25g  (1 g per kg) (.5 g per kg for pediatrics)	Orally	Black tarry stool
<b>Poisoning</b>	<b>Syrup of Ipecac</b>	M-11	Poisoning	Unconscious; unable to swallow; ingestion of certain substances	On-Line Medical Control Option	Induces Vomiting	Liquid	Single-Dose Container	Orally	Induces vomiting, may complicate other treatments

<b>Respiratory</b>	<b>Meter-Dosed Inhaler (MDI)</b>	M-15	Patient's respiratory distress is caused by an exacerbation of their previously diagnosed asthma	Patient not alert, Max dosage already achieved prior to arrival, Device not prescribed to patient, MDI is steroid-based	Standing Order	Bronchodilator	Powder/Mist	Administer as prescribed	Inhaled	Anxiety, increased heart rate
<b>Respiratory</b>	<b>Nebulized Albuterol</b> <i>(Requires Local REMAC Approval)</i>	M-15 SC-4	Patient's respiratory distress is caused by an exacerbation of their previously diagnosed asthma Patient between the ages of 1 & 65	Younger than 1 year, Older than 65, Known history of cardiac disease; MI, Angina, CHF, or Arrhythmia must contact Medical Control	Standing Order unless known history of cardiac disease; MI, Angina, CHF, or Arrhythmia (Med Control Option)	Bronchodilator	Mist	1 Unit-Dose (max of 2 doses may be administered)	Inhaled via Nebulizer At 4-6 lpm	Palpitations, anxiety, headache, dizziness, sweating