

# EMT Epinephrine Administration

Applies to:

E

EMT

## Clinical Indications:

1. Patient exposed to allergen and displays **systemic** signs and symptoms such as:
  - a. **Mental status:** Anxiety, sense of impending doom, confusion, unconscious
  - b. **Onset:** Sudden, but can be more than an hour after exposure
  - c. **Skin/vascular system:** Severe flushing, rash or hives, edema to the face and neck
  - d. **Respiration:** Severe bronchoconstriction (wheezing), laryngospasm (stridor), difficulty breathing
  - e. **GI system:** Severe cramps. Abdominal rumbling, diarrhea, vomiting
  - f. **Vital Signs:** Early signs include increased heart rate and respiratory rate. Late signs included falling respiratory rate and blood pressure, shock

## Contraindications:

1. Use caution with patients who are >50 years of age and patients with cardiac history
  - a. Patients >50 years of age should receive pediatric dose (0.15 mg)

## Equipment:

1. PPE
2. Epinephrine auto-injector (adult and pediatric)
3. Alcohol prep pads
4. Sharps container

## Procedure:

1. Activate 9-1-1 if not already activated
2. Assess patient to confirm indications are met
  - a. Remove allergens
  - b. Manage life threats, airway, breathing and circulation
3. Consider aseptic technique if appropriate
4. Administer appropriate epinephrine auto-injector (record time of administration)
  - a. **Adult auto-injector:** 15 through 49 years of age
  - b. **Pediatric auto-injector:** 0 through 15 years of age and > 50 years of age
5. Continue to monitor, reassess and treat patient
  - a. Be ready to support ventilations
  - b. Secondary administration should be via IV route by a Paramedic

## Special Considerations:

1. Manufacturer instructions should be included in all Agency specific training

## Treatment Guidelines:

1. A04, P02

