

***MFR & Basic EMT-Epinephrine Study
Pediatric Anaphylaxis/Allergic Reaction***

Pre-Medical Control

MFR/EMT/SPECIALIST/PARAMEDIC

1. Follow **Pediatric Assessment and Treatment Protocol**.
2. Determine substance or source of exposure, remove patient from source if known and able.
3. Assist the patient in administration of their own epinephrine auto-injector, if available.

MFR/EMT/SPECIALIST/PARAMEDIC

4. In cases of severe allergic reaction, wheezing or hypotension:
 - a. If child weighs less than 10 kg (approx. 20 lbs.), contact medical control prior to Epinephrine if possible.
 - b. If child weighs between 10-30 kg (approx. 60 lbs.), administer Epinephrine 1 mg/mL, 0.15 mg (0.15 ml) IM OR via pediatric epinephrine auto-injector.
 - c. If child weighs greater than 30 kg, administer Epinephrine 1 mg/mL 0.3 mg (0.3 ml) IM OR via adult epinephrine auto-injector.

EMT/SPECIALIST/PARAMEDIC

5. Albuterol may be indicated. Refer to **Nebulized Bronchodilators Procedure**.

PARAMEDIC

6. In cases of profound anaphylactic shock (near cardiac arrest), administer Epinephrine 0.1 mg/mL, 0.01 mg/kg (0.1 ml/kg) slow IV/IO to a maximum of 0.3 mg (3 ml).
7. If patient is symptomatic, administer diphenhydramine 1 mg/kg IM/IV/IO (maximum dose 50 mg).
8. Per MCA selection, administer Bronchodilator per **Nebulized Bronchodilators Procedure**.

Genesee County Medical Control Authority Special Study Protocol

Pediatric Treatment Protocols

PEDIATRIC ANAPHYLAXIS/ALLERGIC REACTION

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9. Per MCA Selection administer Prednisone OR Methylprednisolone.

<p><u>Medication Options:</u></p> <p><u>Prednisone</u> 50 mg tablet PO (Children 6 and above, if tolerated)</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><u>Methylprednisolone</u> 2 mg/kg IV/IO, (maximum dose 125 mg)</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>
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Post-Medical Control:

MFR/EMT/SPECIALIST/PARAMEDIC

1. Additional Epinephrine IM:
 - a. If child weighs between 10-30 kg (approx. 60 lbs.), administer Epinephrine 1 mg/mL, 0.15 mg (0.15 ml) IM OR via pediatric epinephrine auto-injector.
 - b. If child weighs greater than 30 kg, administer Epinephrine 1 mg/mL 0.3 mg (0.3 ml) IM OR via adult epinephrine auto-injector.

PARAMEDIC

2. Consider additional Epinephrine IV/IO:
 - a. In cases of profound anaphylactic shock (near cardiac arrest), administer Epinephrine 0.1 mg/mL, 0.01 mg/kg (0.1 ml/kg) slow IV/IO to a maximum of 0.3 mg (3 ml).