

***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.

EMT/SPECIALIST

4. In cases of severe allergic reaction, wheezing or hypotension:
 - A. If child appears to weigh 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. Child weighing greater than 30 kg; administer Epinephrine 1 mg/mL 0.3 mg (0.3 ml) IM OR via adult epinephrine auto-injector.
 - D. Each BLS unit will carry a device to measure pediatric body length in order to determine weighted dose.
5. Albuterol may be indicated. Refer to Nebulized Bronchodilators Procedure.

PARAMEDIC

4. In cases of severe allergic reaction, wheezing or hypotension:
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 - b. Child weighing less than 30 kg (approx. 60 lbs.); administer Epinephrine 1 mg/mL, 0.15 mg (0.15 ml) IM OR via pediatric epinephrine auto-injector.
 - c. Child weighing greater than 30 kg; administer Epinephrine 1 mg/mL, 0.3 mg (0.3 ml) IM OR via adult epinephrine auto-injector.
5. In cases of profound anaphylactic shock (near cardiac arrest):
 - a. 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).
6. If patient is symptomatic, administer diphenhydramine 1 mg/kg IM/IV/IO (maximum dose 50 mg).
7. Per MCA selection, administer Bronchodilator per **Nebulized Bronchodilators Procedure**.

Pediatric Treatment Protocols

PEDIATRIC ANAPHYLAXIS/ALLERGIC REACTION

8. 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:

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. Child weighing greater than 30 kg; administer Epinephrine 1 mg/mL 0.3 mg (0.3 ml) IM OR via adult epinephrine auto-injector.

PARAMEDIC

1. Additional Epinephrine IV/IO:
 - a. Administer Epinephrine 0.1 mg/mL, 0.01 mg/kg (0.1 ml/kg) to a maximum of 0.3 mg (3 ml) slow IV/IO, in cases of profound anaphylactic shock (near cardiac arrest).