

***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 Epi-Pen Jr.
  - C. Child weighing greater than 30 kg; administer Epi-Pen.
5. Albuterol may be indicated. Refer to **Nebulized Bronchodilators Procedure**.

**PARAMEDIC**

6. If patient is symptomatic, administer diphenhydramine 1 mg/kg IM/IV/IO (maximum dose 50 mg).
7. 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. Child weighing less than 30 kg (approx. 60 lbs.); administer Epinephrine 1:1000, 0.15 mg (0.15 ml) IM OR via Epi-Pen Jr., if available.
  - C. Child weighing greater than 30 kg; administer Epinephrine 1:1000, 0.3 mg (0.3 ml) IM OR via Epi-Pen if available.
8. In cases of profound anaphylactic shock (near cardiac arrest):
  - A. Administer Epinephrine 1:10,000, 0.01 mg/kg (0.1 ml/kg) slow IV/IO to a maximum of 0.3 mg (3 ml).
9. Per MCA selection, administer Bronchodilator per **Nebulized Bronchodilators Procedure**.

*Michigan*

**Pediatric Treatment Protocols**

**PEDIATRIC ANAPHYLAXIS/ALLERGIC REACTION**

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10. Per MCA Selection administer Prednisone **OR** Methylprednisolone.

<p><b><u>Medication Options:</u></b></p> <p><b><u>Prednisone</u></b> 50 mg tablet PO <b>(Children 6 and above, if tolerated)</b></p> <p><input checked="" type="checkbox"/> YES    <input type="checkbox"/> NO</p> <p><b><u>Methylprednisolone</u></b> 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:**

1. Additional Epinephrine 1:1,000, 0.01 mg/kg (0.01 ml/kg) IM to a maximum of 0.3 mg (0.3 ml), OR via auto-injector.
2. Administer Epinephrine 1:10,000, 0.01 mg/kg (0.1 ml/kg) to a maximum of 0.3 mg (3 ml) slow IV/IO.

Pediatric Treatment Protocols

PEDIATRIC ANAPHYLAXIS/ALLERGIC REACTION

