Anaphylaxis/Allergic Reaction Pediatric

2.2P

EMT STANDING ORDERS

- Routine Patient Care.
- For anaphylaxis administer:



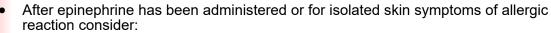
- Pediatric epinephrine autoinjector (EpiPen Jr) 0.15 mg IM in lateral thigh for < 25 kg.
- Adult epinephrine autoinjector (EpiPen) 0.3 mg IM in lateral thigh if > 25 kg.
- For nausea or vomiting see Nausea/Vomiting Protocol 2.11
- Do not delay transport.

ADVANCED EMT STANDING ORDERS

For anaphylaxis:

- Administer epinephrine autoinjector, (preferred) OR
 - o If < 25 kg, epinephrine (1 mg/mL) 0.15 mg IM, lateral thigh preferred.
 - If > 25 kg, epinephrine (1 mg/mL) 0.3 mg IM, lateral thigh preferred
 - o Repeat epinephrine every 5 minutes until signs and symptoms resolve.
 - For respiratory symptoms / wheezing consider albuterol 2.5 mg via nebulizer.
 Repeat albuterol 2.5 mg, every 5 minutes (4 doses total) via nebulizer.
 - o For signs of shock consider fluid per <u>Shock Non-Traumatic Protocol 2.19</u>.

PARAMEDIC STANDING ORDERS





- Diphenhydramine 1.25 mg/kg PO OR
- Diphenhydramine 1 mg/kg IV/IM (maximum dose 50 mg).
- For anaphylaxis refractory to 3 or more doses of IM epinephrine, (e.g., persistent hemodynamic compromise, bronchospasm) consider:
 - Epinephrine Infusion 0.1 2 micrograms/kg/minute (maximum 10 micrograms/min) via pump until symptoms resolve.

EMT/ADVANCED EMT EXTENDED CARE ORDERS

Diphenhydramine:



- Ages 6 to 11 years: 12.5 25 mg by mouth. May repeat every 4-6 hours as needed; maximum dose of 150 mg in 24 hours.
- Ages 2 to 5 years: 6.25 mg by mouth. May repeat every 4-6 hours as needed; maximum dose of 37.5 mg in 24 hours.

PARAMEDIC EXTENDED CARE ORDERS

- Dexamethasone 0.6 mg/kg PO/IM/IV (PO preferred) maximum 10 mg OR
- Methylprednisolone 1 mg/kg IV (maximum dose 125 mg).



CAUTION: Epinephrine is available in different routes and concentrations.

Providers are advised to re-check the dosing and concentration prior to administration.



In anaphylaxis, epinephrine should not be delayed by taking the time to administer second-line medications such as diphenhydramine.

PEARLS:

Allergic reactions are commonly a response to an allergen involving the skin.

Anaphylaxis: known/likely allergen exposure AND hypotension or respiratory co

Anaphylaxis: known/likely allergen exposure AND hypotension or respiratory compromise. Signs of anaphylaxis also include:

- Angioedema: facial/lip/tongue swelling, throat tightening, voice change.
- Breathing: shortness of breath, wheeze, stridor, cyanosis.
- Poor perfusion: altered mental status, syncope, delayed capillary refill, hypotension.
- Rash: Hives, itching, extremity swelling.
- Gastrointestinal: vomiting, abdominal pain, diarrhea.

