



## ALLERGIC REACTION / ANAPHYLAXIS

**Effective:** April 27, 2017  
**Replaces:** June 2012  
**Review:** April 27, 2022

### 1. BLS Treatment

- 1.1. Routine Medical Care – Adult (700-S04)
  - 1.1.1. **Oxygen** – titrate as appropriate
- 1.2. Treat for signs and symptom of shock as necessary (700-A10)
- 1.3. Place patient in a position that decreases work of breathing

### 2. ALS Treatment

- 2.1. **Vascular Access (IV)**, TKO
- 2.2. **Vascular Access (IO)**, if patient is unconscious

### 3. Allergic Reaction (Rash, itching or swelling)

- 3.1. **Diphenhydramine 50mg IV / IO / IM**
- 3.2. For wheezing and mild respiratory distress administer:  
**Albuterol 5mg in 6ml normal saline** via nebulizer device or BVM

### 4. Anaphylaxis (Respiratory distress, difficulty swallowing, tightness to chest or throat)

- 4.1. **Epinephrine (1:1,000) 0.3mg IM**, may repeat every 10 minutes, max dose 0.9mg
- 4.2. For persistent wheezing and mild respiratory distress administer:  
**Albuterol 5mg in 6ml normal saline** via nebulizer device or BVM
- 4.3. **Diphenhydramine 50mg IV / IO / IM**, for hives and/or itching

### 5. Anaphylactic Shock

- 5.1. If signs of shock are present:
  - 5.1.1. **Epinephrine (1:1,000) 0.3mg IM**, may repeat every 10 minutes, max dose 0.9mg
  - 5.1.2. **250ml Fluid bolus IV / IO**, may repeat 4 times for a total of 1,000ml
- 5.2. If vital signs do not improve after 10 minutes post epinephrine and fluid bolus:
  - 5.2.1. **BASE CONTACT: Epinephrine (1:10,000) 0.1mg Slow IV / IO**



6. Allergic Reaction / Anaphylaxis Treatment Flow Chart

