



# Anaphylaxis and Epinephrine Auto-Injector Guide

C.R.S. 15-1232 allows authorized entities to acquire and stock a supply of epinephrine auto-injectors (EAI). Entities shall designate employees or agents to complete a required training and be responsible for storage, maintenance, control and oversight of the EAI. The employee or agent may use the EAI on any individual believed to be experiencing anaphylaxis.

Anaphylaxis is a rapid severe allergic reaction that occurs when your body overreacts to an allergen to which the person has been previously exposed. Common causes of anaphylaxis include insect stings, foods, medications and environmental allergens like latex. Persons also diagnosed with asthma are at higher risk for a severe reaction.

## Step 1: Treatment

Call 911 immediately for anyone with symptoms of anaphylaxis and has no medication.

Anaphylaxis Symptoms:			Epinephrine Auto-Injector:
Throat	Tightening of throat, hoarseness, hacking, cough, obstructive swelling (tongue).		<p>1. Inject epinephrine immediately.</p> <ul style="list-style-type: none"> <li>- Call 911</li> <li>- Begin monitoring</li> </ul> <p>Remember - severity of symptoms can quickly change!</p>
Lung	Shortness of breath, repetitive coughing, and wheezing.		
Heart	Weak pulse, dizziness, fainting, or bluish color to skin.		
Skin	Many hives all over body, flushing, or itchy rash.		
Mouth	Itching, tingling, or mild swelling of lips, tongue, or mouth.		
Stomach	Nausea, abdominal pain or cramping, vomiting, or diarrhea		

Each individual person may react differently and may not experience all symptoms.

Mild Symptoms		Medical Care
Itchy mouth A few hives Mild itch Mild nausea/discomfort		<p>With mild symptoms, direct person to medical care.</p> <p>Inject epinephrine only if symptoms increase.</p>

**Monitoring:** Stay calm and remain with the person. If epinephrine auto-injectors are not immediately available send someone to retrieve them and bring them to the person.

**Dosage:** Epinephrine auto-injectors are designed to administer medication intramuscularly. Standard dosing is 0.15 mg per injection for children under 66 pounds and 0.3 mg per injection for persons over 66 pounds. Effect of medication is usually seen in 5-10 minutes. Some persons may need a 2nd dose if symptoms do not improve in 15-20 minutes and emergency responders have not arrived.

Keep Epinephrine at room temperature. Do not freeze, refrigerate or keep in extreme heat.

## Step 2: Emergency Calls

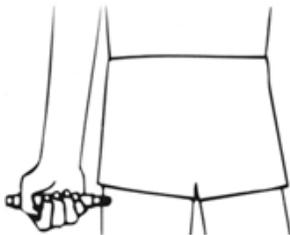
1. If epinephrine is given, always call 911. State that an allergic reaction has been treated and additional epinephrine, oxygen, or other medications may be needed.
2. Notify emergency contacts of person receiving epinephrine.

### EpiPen® and EpiPen® Jr. Directions

1. Pull off blue activation cap.



2. Hold orange tip near outer thigh (always apply to thigh).



3. Swing and jab firmly into outer thigh until auto-injector mechanism functions.
4. Hold in place and count to 10.
5. Remove the EpiPen® unit and massage the injection area for 10 seconds.

### Twinject® 0.3 mg and 0.15 mg Directions

1. Remove caps labeled "1" and "2."



2. Place rounded tip against outer thigh, press down hard until needle penetrates.

3. Hold for 10 seconds, and then remove.



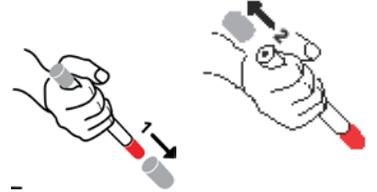
#### SECOND DOSE ADMINISTRATION:

1. If a second dose is required, see specific administration instructions.



### Adrenaclick™ 0.15 mg and 0.3 mg Directions

1. Remove caps labeled "1" and "2".



2. Put the RED tip against the middle of the outer side thigh.

3. Press down hard until the needle enters thigh.

4. Hold in place while slowly counting to 10.



5. Remove the Adrenaclick from thigh.

6. Check the RED tip. If the needle is not visible, repeat steps 2-4.

**Always call 911 when epinephrine is administered.**