



**REGION 11  
CHICAGO EMS SYSTEM  
MEDICATION TABLE**

Medication Name: Epinephrine – Allergic Reaction and/or Anaphylaxis

Approved: EMS Medical Directors Consortium

Effective: August 1, 2022

<b>GENERIC NAME</b>	<b>Epinephrine: Allergic Reaction and/or Anaphylaxis</b>
<b>TRADE NAME</b>	Epinephrine, Adrenalin, EpiPen, EpiPen Jr
<b>CLASSIFICATION</b>	Adrenergic agonist
<b>DOSAGE FORMS</b>	<ul style="list-style-type: none"> <li>• 1:1,000 (1 mg/mL), injection, vial</li> <li>• 1:10,000 (0.1 mg/mL), injection, prefilled syringe</li> </ul>
<b>ACTION(S)</b>	Stimulates alpha and beta receptors resulting in increased blood pressure, increased heart rate, bronchodilation
<b>INDICATIONS</b>	Allergic reaction and/or anaphylaxis
<b>CONTRAINDICATIONS</b>	<ul style="list-style-type: none"> <li>• None in anaphylaxis</li> <li>• Use with caution if patient has history of hypertension, angina, cardiac disease or hyperthyroidism</li> </ul>
<b>ADULT DOSE / ROUTE</b>	<ul style="list-style-type: none"> <li>• <b>ALS and BLS</b> - 0.3 mg IM (0.3 mL of 1 mg/mL concentration [1:1,000]) May repeat x1 in 5-10 min.</li> <li>• <b>ALS Only</b> - Sustained severity or deterioration: 0.1 mg IV (1 ml of 0.1mg/mL concentration [1:10,000]). May repeat every 5 minutes as indicated.</li> </ul>
<b>PEDIATRIC DOSE / ROUTE</b>	<ul style="list-style-type: none"> <li>• <b>ALS</b> - 0.01 mg/kg IM (0.01 mL/kg of 1mg/mL concentration [1:1,000]). May repeat x1 in 5-10 min. Sustained severity or deterioration: 0.01 mg/kg IV/IO (0.1 mL/kg of 0.1 mg/mL concentration [1:10,000]). May repeat every 5 minutes as indicated.</li> <li>• <b>BLS</b> - If length &lt; 48 inches, 0.15mg IM (0.15 mL of 1mg/mL concentration [1:1,000]) If length ≥ 48 inches, 0.3 mg IM (0.3 mL of 1mg/mL concentration [1:1,000]) If second dose indicated, contact OLMC</li> </ul>
<b>SIDE EFFECTS</b>	Palpitations, tachycardia, hypertension, angina, anxiety, tremors, headache