



**REGION 11
CHICAGO EMS SYSTEM
DRUG TABLE**

Drug Name: Epinephrine – Allergic Reaction and/or Anaphylaxis

Approved: EMS Medical Directors Consortium

Effective: August 1, 2022

DRUG NAME - GENERIC	Epinephrine: Allergic Reaction and/or Anaphylaxis
DRUG NAME - TRADE	Epinephrine, Adrenalin, EpiPen, EpiPen Jr
DRUG CLASSIFICATION	Adrenergic agonist
DOSAGE FORMS	<ul style="list-style-type: none"> • 1:1,000 (1 mg/mL), injection, vial • 1:10,000 (0.1 mg/mL), injection, prefilled syringe
ACTION(S)	Stimulates alpha and beta receptors resulting in increased blood pressure, increased heart rate, bronchodilation
INDICATIONS	Allergic reaction and/or anaphylaxis
CONTRAINDICATIONS	<ul style="list-style-type: none"> • None in anaphylaxis • Use with caution if patient has history of hypertension, angina, cardiac disease or hyperthyroidism
ADULT DOSE / ROUTE	<ul style="list-style-type: none"> • ALS and BLS - 0.3 mg IM (0.3 mL of 1 mg/mL concentration [1:1,000]) May repeat x1 in 5-10 min. • ALS Only - 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.
PEDIATRIC DOSE / ROUTE	<ul style="list-style-type: none"> • ALS - 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. • BLS - If length < 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
SIDE EFFECTS	Palpitations, tachycardia, hypertension, angina, anxiety, tremors, headache