

# Nitroglycerin

**Indications:** Chest Pain, CHF/Pulmonary Edema

**Contraindications:** Hypotension, hypovolemia, severe bradycardia or tachycardia, use of erectile dysfunction drugs within past 24hrs up to 48 hours depending on use of extended release medications.

## ADULT DOSING

Indication	Dose	Rate & Route	Note
ACS chest pain – or – CHF/Pulmonary edema	0.4 mg 1 spray	SL	Repeat q 5 to effect Maintain SBP > 100 mmHg
	1 inch	Topical	x 1 and place on the chest Maintain SBP > 100 mmHg; wipe off if SBP becomes < 100 mmHg

## ADULT DOSING

## PEDIATRIC DOSING

Indication	Dose	Rate & Route	Note
NONE			

## PEDIATRIC DOSING

<b>Precautions</b>	Headache, Tachycardia		
<b>Adverse/Side Effects</b>	Hypotension, Syncope		
<b>Class</b>	Nitrate		
<b>Mechanism of Action</b>	Potent vasodilator with antianginal, anti-ischemic, and antihypertensive effects. Relaxes vascular smooth muscle by an unknown mechanism. Decreases peripheral vascular resistance, preload, and afterload.		
<b>Onset of Action</b>	SL: 1 – 3 minutes Topical: 15 – 30 minutes	<b>Peak Effect</b>	SL: < 5 minutes Topical: < 60 minutes
		<b>Duration of Action</b>	SL: ~ 25 minutes Topical: < 7 hours