

## ILLINOIS REGION 3 PROTOCOLS

<b>NITROGLYCERIN</b>	
<b>CLASS</b>	Organic nitrate
<b>ACTION</b>	<ul style="list-style-type: none"> <li>▪ Relaxes vascular smooth muscle</li> <li>▪ Dilation of coronary arteries</li> <li>▪ Dilation of systemic arteries (reduces afterload)</li> <li>▪ Venous dilation (reduces preload)</li> </ul>
<b>INDICATIONS</b>	<ul style="list-style-type: none"> <li>▪ Chest pain suspected to be cardiac in origin</li> <li>▪ Pulmonary edema</li> </ul>
<b>CONTRAINDICATIONS</b>	<ul style="list-style-type: none"> <li>▪ Hypotension</li> </ul>
<b>PRECAUTIONS</b>	<ul style="list-style-type: none"> <li>▪ Monitor blood pressure before and after administration of each dose.</li> <li>▪ Do not administer if systolic BP less than 90</li> <li>▪ Protect from light</li> </ul>
<b>SIDE EFFECTS</b>	<ul style="list-style-type: none"> <li>▪ Headache</li> <li>▪ Facial flushing</li> <li>▪ Dizziness</li> <li>▪ Hypotension</li> <li>▪ Bradycardia (rare)</li> <li>▪ Reflex tachycardia</li> </ul>
<b>ROUTE</b>	<ul style="list-style-type: none"> <li>▪ Sublingual</li> <li>▪ Topical</li> </ul>
<b>DOSE</b>	<ul style="list-style-type: none"> <li>▪ Sublingual: place 1 tablet under the patient's tongue. May repeat every 5 minutes for a total of 3 tablets.</li> <li>▪ Topical: Used for long transport times when sublingual nitroglycerin has been helpful in reducing chest pain. Place ½ inch of nitropaste on the ruled applicator measuring paper. Apply to a hairless are of the skin on the chest. Tape in place. Remove any previously applied nitroglycerin patches/ointment.</li> </ul>
<b>PEDIATRIC DOSE</b>	None
<b>ONSET</b>	1 to 2 minutes
<b>DURATION</b>	15 to 30 minutes
<b>STOCK</b>	<ul style="list-style-type: none"> <li>(1) 25 tablet bottle of 0.4 mg tablets</li> <li>(2) Unit doses of topical nitroglycerin and ruled applicator papers</li> </ul>