



# Epinephrine

## MEDICATION REFERENCE CARD

<b>INDICATION</b>	<ul style="list-style-type: none"> <li>• Cardiac arrest (adult/pediatric)</li> <li>• Pediatric Bradycardia</li> </ul>	<ul style="list-style-type: none"> <li>• Allergic reaction/anaphylaxis</li> <li>• Respiratory Distress/Bronchospasm</li> </ul>
<b>CONTRA-INDICATION</b>	<ul style="list-style-type: none"> <li>• Cocaine-induced VT</li> <li>• Infusion with alkaline solutions</li> </ul>	
<b>SIDE EFFECTS</b>	<ul style="list-style-type: none"> <li>• Anxiety</li> <li>• Apprehensiveness</li> <li>• Restlessness</li> <li>• Tremors</li> </ul>	<ul style="list-style-type: none"> <li>• Weakness</li> <li>• Dizziness</li> <li>• Palpitations</li> <li>• Headache</li> </ul>
<b>ADULT DOSE</b>	<p><b>C-02:</b> Asystole/Pulseless Electrical Activity</p> <ul style="list-style-type: none"> <li>• 1mg IV/IO q 3-5 min 1:10,000. MAX dose of 3mg.</li> </ul> <p><b>C-03:</b> Ventricular Fibrillation/Pulseless Ventricular Tachycardia</p> <ul style="list-style-type: none"> <li>• 1mg IV/IO q 3-5 min 1:10,000. MAX dose of 3 mg.</li> </ul> <p><b>C-04:</b> Symptomatic Bradycardia</p> <ul style="list-style-type: none"> <li>• 10mcg IV/IO 1:10,000 every 1-3 minutes. Repeat as necessary to maintain a systolic blood pressure &gt; 90mmHg. See mixing instructions for <a href="#">Push-Dose Epinephrine AP-16</a>.</li> </ul> <p><b>C-08:</b> Cardiogenic Shock</p> <ul style="list-style-type: none"> <li>• 10mcg IV/IO 1:10,000 every 1-3 minutes. Repeat as necessary to maintain a systolic blood pressure &gt; 90mmHg. See mixing instructions for <a href="#">Push-Dose Epinephrine AP-16</a>.</li> </ul>	<p><b>M-03:</b> Respiratory Distress - Bronchospasm</p> <ul style="list-style-type: none"> <li>• 0.3 mg IM 1:1,000. May repeat x 2 at 10 minute intervals as clinically indicated</li> </ul> <p><b>M-07:</b> Allergic Reaction/Anaphylaxis</p> <ul style="list-style-type: none"> <li>• 0.3 mg IM 1:1,000. May repeat x 2 at 10 minute intervals as clinically indicated</li> <li>• 0.1 mg IV/IO 1:10,000. May repeat once in 10 minutes as clinically indicated</li> </ul>
<b>PEDIATRIC</b>	<ul style="list-style-type: none"> <li>• See <a href="#">Pediatric Medication Reference Cards (1:1,000)</a></li> <li>• See <a href="#">Pediatric Medication Reference Cards (1:10,000)</a></li> <li>• See <a href="#">Pediatric Cardiac Arrest Dosing Reference Cards</a></li> </ul>	
<b>CAUTION</b>	<ul style="list-style-type: none"> <li>• High doses produce vasoconstriction and may compromise organ function</li> <li>• Low doses may increase cardiac output with redirection of blood flow to skeletal muscles, producing decreased renal blood flow</li> </ul>	<ul style="list-style-type: none"> <li>• Myocardial O<sub>2</sub> requirements are increased</li> <li>• Subcutaneous administration is not recommended for treatment of anaphylaxis because absorption is delayed</li> </ul>

ACTIONS	<ul style="list-style-type: none"> <li>• Increases heartrate and automaticity</li> <li>• Increases cardiac contractile force.</li> <li>• Increases myocardial electrical activity</li> </ul>	<ul style="list-style-type: none"> <li>• Increases system vascular resistance</li> <li>• Increases blood pressure</li> <li>• Causes bronchodilation</li> </ul>
GUIDELINE	<ul style="list-style-type: none"> <li>• <a href="#">C-02</a>: Asystole/Pulseless Electrical Activity</li> <li>• <a href="#">C-03</a>: Ventricular Fibrillation/Pulseless Ventricular Tachycardia</li> <li>• <a href="#">C-04</a>: Symptomatic Bradycardia</li> <li>• <a href="#">C-08</a>: Cardiogenic Shock</li> <li>• <a href="#">M-03</a>: Respiratory Distress – Bronchospasm</li> <li>• <a href="#">M-07</a>: Allergic Reaction/Anaphylaxis</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">P-02</a>: Pediatric Asystole/Pulseless Electrical Activity</li> <li>• <a href="#">P-03</a>: Pediatric Ventricular Fibrillation/Pulseless Ventricular Tachycardia</li> <li>• <a href="#">P-04</a>: Neonatal Resuscitation</li> <li>• <a href="#">P-06</a>: Pediatric Symptomatic Bradycardia</li> </ul>