

Subject: Allergic/Anaphylactic Treatment Policy

I. Definition	
<ul style="list-style-type: none"> A. Mild Allergic Reaction: Urticaria (itchy, raised welts). B. Moderate/Severe Allergic Reaction: The presence of swelling of mucus membranes, dyspnea, wheezing, chest or throat tightness, or abdominal cramps. C. Anaphylaxis: Signs of shock. 	
II. Basic Life Support – All Providers	
Note: Public Safety First-Aid and First Responders require prior authorization from their agencies AND North Coast EMS to carry and administer EpiPens)	
<ul style="list-style-type: none"> A. Provide General Medical Care. B. Assess severity of reaction: <ul style="list-style-type: none"> 1. Mild Allergic Reaction: <ul style="list-style-type: none"> a. Observe for development of additional symptoms and do not delay Epinephrine administration if indicated. 2. Moderate/Severe Allergic Reaction: <ul style="list-style-type: none"> a. Administer auto-injector Epinephrine 0.3 mg IM. 3. Anaphylaxis: <ul style="list-style-type: none"> a. Administer auto-injector Epinephrine 0.3 mg IM. <ul style="list-style-type: none"> (1) May repeat once after 10 minutes if symptoms persist. 	
III. Advanced Life Support	
Adult	Pediatric (less than 14 years of age)
<ul style="list-style-type: none"> A. Mild Allergic Reaction: <ul style="list-style-type: none"> 1. Administer Diphenhydramine 50 mg IM. B. Moderate/Severe Allergic Reaction: <ul style="list-style-type: none"> 1. Administer 1:1,000 Epinephrine 0.3 mg IM. <ul style="list-style-type: none"> a. May repeat once after 10 minutes if symptoms persist. 2. For bronchospasm refer to refer to <i>treatment guideline Respiratory Distress</i>: <ul style="list-style-type: none"> a. Administer Albuterol 5 mg in 6 ml nebulized. <ul style="list-style-type: none"> (1) May repeat Albuterol as indicated. b. Administer Atrovent 0.5 mg in 6 ml NS nebulized. <ul style="list-style-type: none"> (1) Do not repeat. c. Administer Diphenhydramine 50 mg IV/IM. 	<ul style="list-style-type: none"> A. Mild Allergic Reaction: <ul style="list-style-type: none"> 1. Administer Diphenhydramine per pediatric medication administration guide. B. Moderate/Severe Allergic Reaction: <ul style="list-style-type: none"> 1. Administer 1:1,000 Epinephrine IM per pediatric medication administration guide. <ul style="list-style-type: none"> a. Max initial dose 0.3 mg. b. May repeat once after 10 minutes if symptoms persist. 2. For bronchospasm: <ul style="list-style-type: none"> a. Administer Albuterol per pediatric medication administration guide. <ul style="list-style-type: none"> (1) May repeat Albuterol as indicated. b. Administer Atrovent per pediatric medication administration guide. <ul style="list-style-type: none"> (1) Do not repeat. 3. Administer Diphenhydramine per pediatric medication administration guide. <ul style="list-style-type: none"> a. Max dose 50 mg.

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<p>A. Anaphylaxis:</p> <ol style="list-style-type: none"> 1. Administer 1:1,000 Epinephrine 0.3 mg IM. <ol style="list-style-type: none"> a. May repeat twice at 10 minute intervals if symptoms persist. 2. Administer NS fluid bolus 10 ml/kg IV. <ol style="list-style-type: none"> a. Recheck vital signs every 250 ml to ensure lung sounds remain clear. b. May repeat to a max volume of 30 ml/kg. 3. Administer Benadryl 50 mg IV. 4. If unresponsive and severely hypotensive: <ol style="list-style-type: none"> a. Prepare push-dose Epinephrine: <ol style="list-style-type: none"> (1) Mix 1 ml of 1:10,000 Epinephrine (0.1 mg/ml) with 9 ml NS in a 10 ml syringe. (2) Administer push-dose Epinephrine 1 ml IV every 1-4 minutes. <ol style="list-style-type: none"> (a) Titrate to maintain SBP > 90 mmHg. 	<p>A. Anaphylaxis:</p> <ol style="list-style-type: none"> 1. Administer 1:1,000 Epinephrine IM per pediatric medication administration guide. <ol style="list-style-type: none"> a. Max initial dose 0.3 mg. b. May repeat twice at 10 minute intervals if symptoms persist. 2. Administer NS fluid bolus 20 ml/kg IV. <ol style="list-style-type: none"> a. May repeat once if symptoms persist. 3. Administer Benadryl IV per pediatric medication administration guide. <ol style="list-style-type: none"> a. Max dose 50 mg. 4. If unresponsive and severely hypotensive: <ol style="list-style-type: none"> a. Prepare push-dose Epinephrine: <ol style="list-style-type: none"> (1) Mix 1 ml of 1:10,000 Epinephrine (0.1 mg/ml) with 9 ml NS in a 10 ml syringe. (2) Administer push-dose Epinephrine 1 ml IV every 1-4 minutes. <ol style="list-style-type: none"> (a) Titrate to maintain SBP > 90 mmHg.
<p>IV. Special Considerations</p> <ol style="list-style-type: none"> A. Use caution when administering repeat doses of Epinephrine in patients over 60 years of age with a significant cardiac history. B. Allergic and Anaphylactic reactions have a variable degree of presentation, Urticaria may not always be present. 	
<p>V. Base Orders</p> <p>None</p>	
<p>VI. Contraindications</p> <p>A. None.</p>	
<p>VII. Cross Reference</p> <ol style="list-style-type: none"> A. General Medical Care Policy No. Draft B. Respiratory Distress Policy No. Draft 	