

RESPIRATORY – BRONCHOSPASM ASTHMA/COPD/CROUP	
ADULT	PEDIATRIC (≤34 KG)
BLS	
<ul style="list-style-type: none"> • Universal Protocol #601 • Pulse Oximetry <ul style="list-style-type: none"> ○ O₂ administration per Airway Management Protocol #602 • May assist with patient’s prescribed medication, inhaler, etc. 	
BLS Elective Skills (Approved Providers Only)	
• CPAP per Airway Management Protocol #602	• None
BLS Optional Scope Skill (Approved Providers Only)	
ASTHMA	ASTHMA
Unstable/Extremis	Unstable/Extremis (≥15 kg)
<ul style="list-style-type: none"> • Epinephrine 1:1,000 0.3 mg IM <ul style="list-style-type: none"> ○ may repeat every 5 min, max 3 doses 	<ul style="list-style-type: none"> • Epinephrine 1:1,000 0.15 mg IM – anterolateral thigh <ul style="list-style-type: none"> ○ may repeat every 5 min, max 3 doses
ALS Standing Orders	
ASTHMA	BRONCHOSPASM/ASTHMA
Stable	Stable
<ul style="list-style-type: none"> • Albuterol 2.5-5 mg via HHN/Mask/CPAP/BVM with adjunct over 5-10 min <ul style="list-style-type: none"> ○ repeat as needed 	<ul style="list-style-type: none"> • Albuterol 2.5-5 mg via HHN/Mask/BVM with adjunct over 5-10 min <ul style="list-style-type: none"> ○ repeat as needed
Unstable	Unstable
<ul style="list-style-type: none"> • Epinephrine 1:1,000 0.01 mg/kg IM – not to exceed 0.5 mg <ul style="list-style-type: none"> ○ may repeat every 5 min, max 3 doses 	<ul style="list-style-type: none"> • Epinephrine 1:1,000 0.01 mg/kg IM – not to exceed 0.3 mg <ul style="list-style-type: none"> ○ may repeat every 5 min, max 3 doses
Extremis	Extremis
<ul style="list-style-type: none"> • Epinephrine 1:1,000 0.01 mg/kg SL – not to exceed 0.5 mg <ul style="list-style-type: none"> ○ may repeat every 5 min, max 3 doses 	<ul style="list-style-type: none"> • Epinephrine 1:1,000 0.01 mg/kg SL – not to exceed 0.3 mg <ul style="list-style-type: none"> ○ may repeat every 5 min, max 3 doses
COPD/BRONCHOSPASM	CROUP
Stable	Stable
<ul style="list-style-type: none"> • Albuterol 2.5-5 mg via HHN/Mask/CPAP/BVM with adjunct over 5-10 min repeat as needed 	<ul style="list-style-type: none"> • Humidified oxygen via HHN/Mask or blow-by
Base Hospital Orders Only	
Unresponsive to previous therapy	Unresponsive to previous therapy
<ul style="list-style-type: none"> • Epinephrine 1:10,000 0.01 mg/kg (0.1 mL/kg) slow IV titrated – not to exceed 0.5 mg • As needed 	<ul style="list-style-type: none"> • Epinephrine 1:10,000 0.01 mg/kg (0.1 mL/kg) slow IV titrated – not to exceed 0.3 mg
	CROUP
	<ul style="list-style-type: none"> • Albuterol 2.5-5 mg via HHN/Mask/BVM over 5-10 min <ul style="list-style-type: none"> ○ repeat per base order • As needed
Notes	

BRONCHOSPASM – narrowing of lower airways, may be associated with: wheezes, cough, and chest tightness

- Can be caused by: respiratory infections, exposures (toxins, allergens, fire/smoke), exercise, stress, cold dry air
- Evaluate history of: chronic lung disease, prescribed medications, allergies, chronic infections (TB, Coccidioidomycosis)