



March 20, 2020

To whom it may concern,

Effective immediately, Albuterol Metered Dose Inhaler (MDI) is being added to the SNHD EMS Formulary as an available (but not required) alternative to SVN route of administration.

CDC guidelines recommend minimizing any procedures that generate infectious aerosols during the current COVID-19 pandemic. Small Volume Nebulizer (SVN) treatments are considered aerosol generating procedures and should be minimized in order to decrease potential exposure risk to transporting providers.

In order to decrease aerosol-generating procedures during transport of **suspected** or **confirmed** Coronavirus Disease 2019 (COVID-19) patients in the Pre-Hospital Setting, Metered Dose Inhalers (MDIs) are being added as an available formulary alternate item to substitute for Albuterol SVN treatments if available.

Albuterol Sulfate may be stocked in the generic formulation or under any of the currently available brand names: ProAir HFA, Proventil HFA and Ventolin

Each actuation of the inhaler yields 108 mcg of albuterol sulfate (90 mcg of albuterol base) The Albuterol MDI can be an equally effective route of administration in treating acute or severe bronchospasm.

Effective immediately, the current formulary entry for ALBUTEROL (page 159) is amended to include the following changes in red:



## ALBUTEROL (Proventil, Ventolin, ProAir)

### DOSE

Adult

2.5 mg in 3.0 ml SVN; repeat until improvement  
2-4 puffs of Albuterol MDI, repeated q10 minutes until improvement of bronchospasm

Pediatric

2.5 mg in 3.0 ml SVN; repeat until improvement  
2-4 puffs of Albuterol MDI, repeated q10 minutes until improvement of bronchospasm, max 3 doses.  
Use of a spacer for pediatric patients is recommended.

### ROUTE

Inhalation by oxygen nebulization  
Metered Dose Inhaler (MDI) with or without spacer

### CONTRAINDICATIONS

Hypersensitivity to the drug

### ADVERSE REACTIONS

Tachycardia; palpitations; anxiousness; headache

### RELATED PROTOCOLS

Allergic Reaction, Drowning, Hyperkalemia, Respiratory Distress, Pediatric Allergic Reaction, Pediatric Drowning, Pediatric Respiratory Distress

<https://www.pdr.net/drug-summary/Albuterol-Sulfate-Inhalation-Solution-0-083-albuterol-sulfate-1427>

If you have any questions contact the OEMSTS.

Sincerely,

A handwritten signature in black ink that reads 'John Hammond'.

John Hammond  
Manager  
Southern Nevada Health District  
Office of Emergency Medical Services & Trauma System

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