

Ipratropium Bromide (Atrovent)

Indications: Respiratory Distress (Bronchial asthma, reversible bronchospasm associated with chronic bronchitis and emphysema), Drowning, Organophosphate exposure.

Contraindications: Known hypersensitivity

ADULT DOSING

Indication	Dose	Rate & Route	Note
Respiratory distress	0.5 mg 1 unit vial	Nebulizer	Administer with albuterol and repeat as needed.
Drowning			
Organophosphate exposure			Repeat as needed.

ADULT DOSING

PEDIATRIC DOSING

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PEDIATRIC DOSING

Precautions	Use caution when administering this drug to elderly patients and those with cardiovascular disease or hypertension		
Adverse/ Side Effects	Palpitations, anxiety, dizziness, headache, nervousness, tremor, hypertension, arrhythmias, chest pain, nausea, vomiting		
Class	Anticholinergic		
Mechanism of Action	Ipratropium is a parasympatholytic used in the treatment of respiratory emergencies. It causes bronchodilation and dries respiratory tract secretions. Ipratropium acts by blocking acetylcholine. 15% of dose reaches lower airway.		
Onset of Action	< 15 minutes	Peak Effect	1 to 2 hours
		Duration of Action	4 to 5 hours