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Albuterol Dosing:

- Continuous albuterol alone:
0.083% (2.5 mg / 3 mL)
- If combined with ipratropium
0.5% solution (0.5 mL = 2.5 mg)

Intensive Care Indications

Any of the following:

- Prolonged continuous albuterol for > 4 hrs with worsening symptoms
- Inadequate ventilation with hypercapnea (PCO_2 on capillary blood gas > 45)
- Need for [high flow nasal cannula](#) or non-invasive ventilation due to concern for respiratory failure
- Persistent hypoxemia ($\text{SpO}_2 < 90\%$) despite supplemental O_2 ($\geq 3 \text{ L/min}$ or $> 40\% \text{ FiO}_2$ with non-rebreather)
- Altered level of consciousness (drowsiness)

Discharge Criteria

All of the following:

- Resolution of respiratory distress
- Resolution of hypoxemia ($\text{SpO}_2 \geq 90\%$ on room air)
- Do not anticipate albuterol will be needed more frequently than q4 hours
- Ability of caregiver to provide q4h albuterol at home

Discharge Checklist

- **Continue** yellow zone therapies on discharge
- **Determine** [systemic steroid plan](#) based on initial steroid administered and patient needs
- **Consider** "stepping up" green zone therapies if indicated
- **Provide** Asthma Action Plan and [asthma education](#)
- **Recommend** appropriate follow-up with either PCP or Asthma Provider
- **Confirm** pt has access to prescribed medications within 2-3 hours after discharge

Other Resources

- [Asthma Reference Guide](#)
- [Caregiver Smoking Cessation](#)

