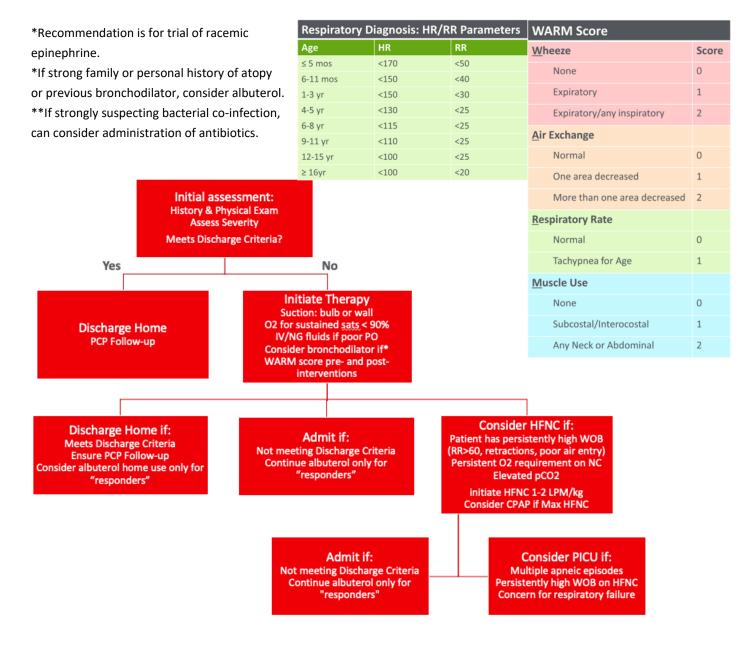
Stanford <u>MEDICINE</u> Emergency Department Bronchiolitis Surge Guidance

Children's Health

The following guidance pertains to children <2 years of age with the clinical diagnosis of bronchiolitis during the 2022 Fall/Winter Respiratory Viral Pathogen Surge. These are evidence-based, inclusive of 2014 AAP Recommendations (article attached), and are meant to supplement but not replace one's own clinical judgment.

Aim: To improve compliance with AAP published guidelines and minimize potentially unnecessary treatments in bronchiolitis. Treatments not routinely recommended include: viral testing, laboratory testing, albuterol*, racemic epinephrine*, 3% saline, corticosteroids, antibiotics**, chest x-ray, chest physiotherapy.

Exclusion criteria: critical bronchiolitis, congenital heart disease, chronic lung disease, neuromuscular disease, immunodeficiency, transplant recipients, genetic abnormalities.





Emergency Department Bronchiolitis Surge Guidance

Children's Health

Discharge Criteria:

- Mild or no increased WOB
- O2 sat > 90% awake and off supplemental O2 unless going home on O2
- Adequate PO intake
- No apnea for > 24 hours
- Discharge teaching (caretakers comfortable with suctioning)
- Reliable caretaker
- Able to obtain follow-up care

Admission Criteria:

- Discharge criteria not met
- Acute Care: Requires supplemental O2, high flow nasal cannula (if capable), or clinical progression expected
- PICU: Apnea, severe respiratory distress requiring high flow nasal cannula above maximum floor-capabilities, non-invasive ventilation or mechanical ventilation

Risk Factors for Severe Disease:

- Age < 12 weeks
- History of prematurity < 34 wks GA
- Underlying cardiopulmonary disease or immunodeficiency

References

1. Ralston, S. et al. (2014). Clinical Practice Guideline: The Diagnosis, Management, and Prevention of Bronchiolitis. Pediatrics;134:e1474–e1502.

2. Abaya, R. et al. (2022). *Emergency Department Clinical Pathway for Evaluation/Treatment of Children with Bronchiolitis*. Chop.edu. <u>https://www.chop.edu/clinical-pathway/bronchiolitis-emergent-evaluation-clinical-pathway</u>.

3. Mussman, GM. Et al (2017). Respiratory Scores as a Tool to Reduce Bronchodilator Use in Children Hospitalized With Acute Viral Bronchiolitis. Hosp Pediatr;7(5):279-286.

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