### INTRODUCTION

- Leading cause of hospitalization for infants <1 year of age
- Typically diagnosed in children <24 months of age
- Respiratory syncytial virus (RSV) is the most common cause, accounting for 50-80% of cases
- Respiratory distress results from airway obstruction, atelectasis, and wheezing/bronchospasm in some patients
- [http://pediatrics.aappublications.org/content/early/2014/10/21/peds.2014-2742](http://pediatrics.aappublications.org/content/early/2014/10/21/peds.2014-2742)

### INITIAL EVALUATION AND MANAGEMENT BY PRIMARY CARE

#### Evaluation
- HX: rhinitis and cough leading to increasing respiratory distress
- PE: crackles, wheezes or both (the “washing machine” sound)
- Poor intake and respiratory distress in more severe cases
- Chest radiographs not needed for typical presentation
- **RSV testing not routinely needed**, as it does not change treatment

#### Management
- **Mild cases**: supportive care only (oral hydration, nasal suction/ aspiration, acetaminophen as needed)
  - **NO benefit from albuterol, epinephrine, corticosteroids, humidification, antibiotics, chest physiotherapy, mucolytics**

### WHEN TO REFER / HOSPITALIZE

- Poor oral intake / dehydration
- Respiratory distress / persistently increased work of breathing
- Hypoxia
- Close follow-up if age <12 weeks, history of prematurity, underlying chronic cardiopulmonary disease or immunodeficiency

### HOW TO REFER

- **(413) 794-KIDS**
- Call Baystate Children’s Hospital at (413) 794-0000 and ask for the Pediatric Hospitalist On-Call

### WHAT TO EXPECT FROM BAYSTATE CHILDREN’S HOSPITAL VISIT

- Assessment for other potential causes of difficulty breathing
- Intravenous hydration if needed
- Supplemental oxygen if oxygen saturation <90%
- Nasal and deep suctioning of secretions if needed
- Evaluation by pediatric intensive care service if requiring higher levels of respiratory support needed

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Authors: Weijen Chang, MD
Hospital Medicine
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Contact: Baystatechildren’shospital@baystatehealth.org