

# OUTPATIENT ACUTE ASTHMA EXACERBATION PATHWAY

## Obtain History:

- Triggers
- Onset
- Comorbidities
- Current medication use
- History of intubations for asthma
- ED visits
- Hospitalizations for asthmas
- Tobacco exposure

Child presents with history of asthma\* and respiratory symptoms (cough, wheeze, shortness of breath, chest tightness/pain)

- Inclusion:** >2 years old with history of asthma\* or recurrent wheezing
- Exclusion:** Chronic conditions
- Chronic lung disease
  - Congenital/acquired heart disease
  - Upper airway issues
  - Neuromuscular disorders
  - Immune disorders
  - Sickle cell anemia
  - Medically complex child

Initial Assessment\*\*: Vitals: heart rate, temperature, pulse oximetry, weight & respiratory score (RS): respiratory rate, retractions, dyspnea, auscultation, & CASI

**Moderate – Severe RS: 5 or Greater**

Notify Provider **Immediately**

Consider activating transport or 911: If so, transfer to ED

Place on continuous pulse oximetry.  
Oxygen: titrate to keep pulse oximetry ≥ 90%

Meds

- Dexamethasone: 0.6mg/kg PO if able; max dose, 16mg/day (If unable to tolerate, may give IM\*\*\*)
- Duoneb (Albuterol 2.5mg + Ipratropium 500mcg per vial)
  - Patients <10kg: 1 vial
  - Patients >10kg: 2 vials

**Mild RS: 1 – 4**

Meds

- Albuterol
  - Patients <10kg: 4 puffs
  - Patients >10kg: 8 Puffs

Consider

- Dexamethasone: 0.6mg/kg PO once; max dose, 16mg/day

OR

- Prednisone/Prednisolone 2mg/kg PO once; max dose 60mg/day

Assessment

- Reassign post treatment RS
- Initiate asthma education

\*National Guidelines (2007) Definition: Definition of Asthma: Asthma is a common chronic disorder of the airways that is complex and characterized by variable and recurring symptoms, airflow obstruction, bronchial hyperresponsiveness and an underlying inflammation

REASSESS (Clinical staff/provider) every 10-20 minutes (RS, heart rate, pulse oximetry)

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