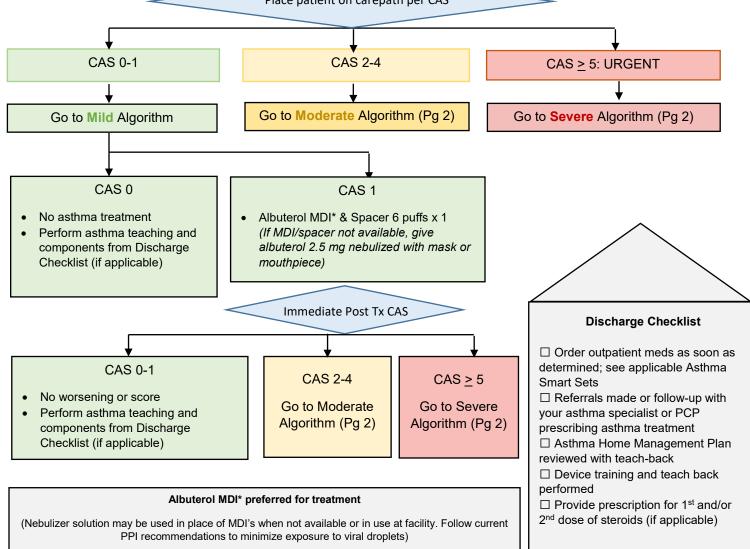
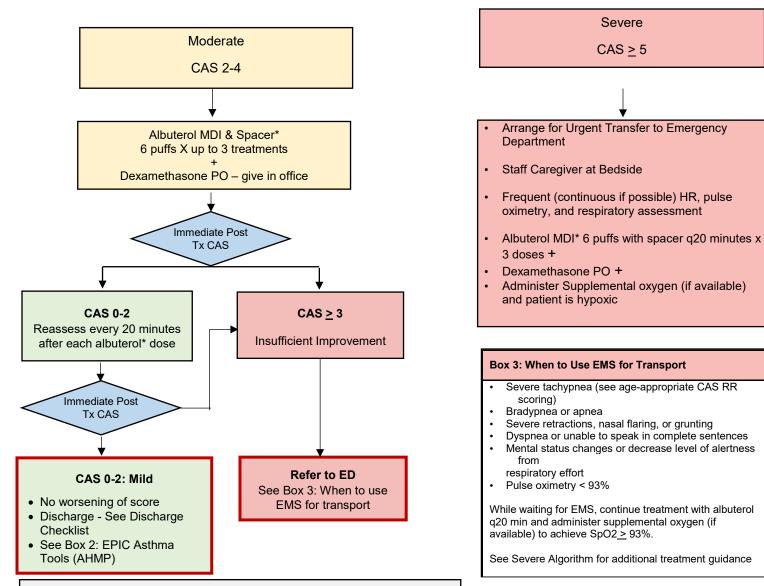


Child presents to Primary Care or Urgent Care for Management of Acute Asthma Exacerbation

Inclusion: Age \geq 2 yr, with respiratory symptoms, known h/o wheeze, albuterol

Assess patient using Rainbow Clinical Asthma Score (CAS) see below 0 – None/Mild 1 – Moderate 2 – Severe None or end expiratory Inspiratory and/or expiratory Wheeze Breath sounds becoming inaudible wheezes wheezes Accessory Intercostal and/or tracheosternal muscles None Intercostal and/or tracheosternal **Muscle Usage** PLUS use of sternocleidomastoid muscles Decreased in all lobes Air Exchange Equal all lobes Decreased in some lobes SpO2 < 94% on room air OR Oxygenation SpO2 >94% on room air SpO2 <94% on supplemental O2 SpO2 > 94% on supplemental O2 1-5 yrs: <30 bpm 1-5 yrs: 30-35 bpm 1-5 yrs: >35 bpm Respiratory 6-14 yrs: <25 bpm 6-14 yrs: 25-30 bpm 6-14 yrs: >30 bpm Rate ≥15 yrs: <20 bpm ≥15 yrs: 20-25 bpm ≥15 yrs: >25 bpm Place patient on carepath per CAS





Box 1: Criteria for Oral Steroid

Give 1st Dexamethasone for mild orally (<u>in office</u>) if patient meets one of the following steroid criteria:

- Requiring more than 1 dose of albuterol above baseline (defined as 1 vial of nebulized solution or 2-4 puffs) for symptoms (not exercise pre-treatment) for 2 out of the last 3 days
- Requiring back-to-back albuterol doses in the last 24 hours and still having cough, wheezing, or shortness of breath
- Requiring albuterol more often than every 4 hours for the last 24 hours
- Steroid Dosing:

0

- Dexamethasone oral X 1 dose per 24 hours
 - 0-8 kg = 4 mg
 - 8.1-15 kg = 8 mg
 - 15.1-20 kg = 12 mg
 - > 20 ka = 16 ma

Box 2: EPIC Asthma Tools

- Asthma Smart Sets
 - o Asthma 0-4
 - o Asthma 5-11
 - Asthma 12+
 - Asthma Exacerbation
- The Asthma Home Management Plan (i.e. Asthma Action Plan) is built into EPIC and can be located using the search tool bar.