

**Respiratory Care Score (RCS)
Respiratory Care Plan (RCP)**

Patient admitted to the General Hospital Service

Is it a severe, moderate, or mild episode?

Severe episode RCS ≥ 9

Oxygen to achieve SpO₂ $\geq 90\%$
Continuous Albuterol (nebulized)
 < 5 yo: 10 mg/hr
 ≥ 5 yo: 15 mg/hr
Methylprednisolone IV
 2 mg/kg/day q 24hours OR divided q 12h
 <12 yo: Max: 60 mg/day
 ≥ 12 yo: Max: 80 mg/day
 Consider **Magnesium sulfate IV** (if not already administered)
 50 mg/kg (max 2 grams)
 Consider transfer to PICU
 Create/Adjust Asthma Action Plan

Moderate episode RCS 7-8

Continue home asthma plan
Oxygen to achieve SpO₂ $\geq 90\%$
Continuous Albuterol (nebulized)
 < 5 yo: 10 mg/hr
 ≥ 5 yo: 15 mg/hr
 OR
Albuterol (MDI with spacer)
 2-8 puffs per dose per Respiratory Care Plan
Prednisolone/Prednisone (PO)
 2 mg/kg/day- Max: 60 mg/day
 OR
Methylprednisolone IV
 2 mg/kg/day q 24hours OR divided q 12h
 <12 yo: Max: 60 mg/day
 ≥ 12 yo: Max: 80 mg/day
 Consider **an inhaled corticosteroid**
 Consider **Magnesium sulfate IV** (if not already administered)
 50 mg/kg (max 2 grams)
 Consider **PEP**
 Create/Adjust Asthma Action Plan

Mild episode RCS ≤ 6

Continue home asthma plan
Oxygen to achieve SpO₂ $\geq 90\%$
Albuterol (MDI with spacer)
 2-8 puffs per dose per Respiratory Care Plan
 Consider **PEP**
Corticosteroids if ≥ 2 albuterol doses are required
Prednisolone/Prednisone (PO)
 2 mg/kg/day Max: 60 mg/day OR
Methylprednisolone IV
 2 mg/kg/day q 24hours OR divided q 12h
 <12 yo: Max: 60 mg/day
 ≥ 12 yo: Max: 80 mg/day
 Create/Adjust Asthma Action Plan

Has the patient had $> = 4$ ED/UCC/inpatient episodes in the past 12 months (including current visit) OR current PICU admission (admission resulting from ED/UCC visits counts as one episode)?

- Consult either Allergy/Asthma/Immunology OR Pulmonology
- Consult Social Services
- Consult Environmental Health

Respiratory therapist re-evaluates after every other treatment

Severe/Moderate episode RCS ≥ 7

Oxygen to achieve SpO₂ $\geq 90\%$
Continuous Albuterol (nebulized)
 < 5 yo: 10 mg/hr
 ≥ 5 yo: 15 mg/hr
 OR
Albuterol (MDI with spacer)
 2-8 puffs per dose per Respiratory Care Plan
Methylprednisolone IV
 2 mg/kg/day q 24hours OR divided q 12h
 <12 yo: Max: 60 mg/day
 ≥ 12 yo: Max: 80 mg/day
 OR
Prednisolone/Prednisone (PO)
 2 mg/kg/day- Max: 60 mg/day
 Consider **an inhaled corticosteroid**
 Consider **Magnesium sulfate IV** (if not already administered)
 50 mg/kg (max 2 grams)
 Consider **PEP** for RCS of 7- 8
 Consider transfer to PICU
 Create/Adjust Asthma Action Plan

Are the patient's symptoms:

- Severe/Moderate
- Mild OR
- Is the patient ready for discharge

Mild episode RCS ≤ 6

Oxygen to achieve SpO₂ $\geq 90\%$
Albuterol (MDI with spacer)
 2-8 puffs per dose per Respiratory Care Plan
 Consider **PEP**
Prednisolone/Prednisone (PO)
 2 mg/kg/day Max: 60 mg/day
 Create/Adjust Asthma Action Plan

Discharge