

# Asthma Protocol

Revised  
01/2017

**Go to box 2A if:**  
--If Bronchiolitis or asthma protocol was previously ordered  
**OR** pt is transferred from PICU to peds floor

Respiratory Rate	0 (normal)	1 <18mos>50; 18-36mos >40; 3y-6y>30; >6y>25	
Accessory Muscles	0 (normal)	1 (supra/sub/inter costal retractions)	2 (neck/abdominal muscles)
Air Exchange	0 (normal)	1 (localized decreased)	2 (diffuse decreased)
Wheeze	0 (none/end-expiratory)	1 (entire expiration)	2 (entire inspiration/expiration)
I:E Ratio	0 ( $\leq 1:2$ )	1 ( $\geq 1:3$ )	

**IS PAS LESS THAN 3?**

Give 2.5 mg Albuterol + 0.5 mg Atrovent. Reassess in 30 minutes.  
**1A**

Is PAS less than 3?

**Give Intensification:**  
7.5 mg Albuterol + 0.5 mg Atrovent (if  $\leq 20$  kg)  
15 mg Albuterol + 0.5 mg Atrovent (if  $> 20$  kg)  
Give for duration. Reassess in 30 minutes.  
Do Not Administer Intensification more than 3X.  
**1B**

Is PAS less than 3?  
**1C**

ER patient      Direct Admit/Inpatient

Notify MD and wait for further instruction

Order Albuterol MDI x 6 puffs Q4 hours

Notify MD: If plan is to discharge, no treatment at this time.  
If NOT, give 2.5mg Albuterol and 0.5mg Atrovent.  
Reassess in 30min and go to box 1C  
Upon admission, continue asthma protocol at box 2A

Go to box 1B for REPEAT intensification.  
After THIRD intensification, notify MD OR Upon admission, continue asthma protocol at box 2A

Is PAS less than 3?  
**2A**

Give 2.5 mg Alb Q4 hrs if pt  $\leq 20$ kg or 5 mg Alb Q4 if pt  $> 20$ kg  
Continue Albuterol Q4 hours until PAS is  $\leq 2$  then convert to MDI x 6 puffs. Perform 2 instructs w/ assessments, and continue to ASSESS patient once per shift.  
**3A**

Give 2.5 mg Alb Q2 hrs x 3 if pt  $\leq 20$ kg  
Give 5.0 mg Alb Q2 hrs x 3 if pt  $> 20$ kg  
Perform Pre + Post treatment assessment with scoring.  
**3B**

Give 2.5 mg Alb Q4 hr if pt  $\leq 20$  kg. Give 5 mg Alb Q4 hr if pt is  $> 20$  kg. If PAS has not improved, notify MD.  
May convert to MDI when PAS  $\leq 2$ . Perform 2 instructs w/ assessments, and continue to ASSESS patient once per shift.  
**4**

Revised 01/2017



\*\*\*\*\*IF PAS > OR = TO 5, CALL ORDERING PHYSICIAN\*\*\*\*\*