

HASS Scoring and albuterol dosing

Nurse may give albuterol via inhaler with spacer or via nebulizer depending on patient/family preference .

Albuterol 90 mcg/puff MDI

Dosing based on weight and severity

HASS Score	Severity	< 10kg	10 – 30 kg	➤ 30 kg
< 7	Mild (Ready for discharge)	2 puffs (180 mcg) Every 4 hours	2 puffs (180 mcg) Every 4 hours	2 puffs (180 mcg) Every 4 hours
7-9	Moderate (Floor appropriate)	4 puffs (360 mcg) Every 2-3 hours	6 puffs (480 mcg) Every 2-3 hours	8 puffs (720 mcg) Every 2-3 hours
10-15	Severe (ED/ICU/ICP)	Continuous albuterol	Continuous albuterol	Continuous Albuterol

Higher doses (4, 6, 8 puffs) apply to patients receiving albuterol every 2 hours and every 3 hours

All patients decrease to 2 puffs once scoring mild and ready for discharge as shown above

Albuterol 0.5% nebulizer solution (5mg/ml)

Dosing based on weight only

0.05 – 0.15/mg/kg/dose (max 5 mg)

0.01 ml – 0.03 ml /kg/dose (max 1ml)

HASS Score	Severity	< 10 kg	10 – 30 kg	➤ 30 kg
< 7	Mild	0.25 ml (1.25 mg or 1250 mcg) Every 4 hours	0.5 ml (2.5 mg or 2500 mcg) Every 4 hours	1.0 ml (5.0 mg or 5000 mcg) Every 4 hours
7-9	Moderate	0.25 ml (1.25 mg) Every 2-3 hours	0.5 ml (2.5 mg) Every 2-3 hours	1.0 ml (5.0 mg) Every 2-3 hours
10 - 15	Severe (ED/ICU)	Continuous albuterol	Continuous albuterol	Continuous albuterol

Nebulizer dosing is the same for inpatient and outpatient management