



= YES = NO

(PLACE PATIENT LABEL HERE)

SURNAME: _____ NHI: _____

FIRST NAMES: _____

Date of Birth: ____ / ____ / ____ SEX: _____

WHEEZE > 1 YEAR OF AGE



Date: _____ Time: _____ Assessment nurse: _____ Sign: _____

INCLUSION CRITERIA

Wheeze present and > 1 year age

EXCLUSION CRITERIA

Upper Airway Obstruction (Stridor)

Initiate Treatment Pathway: # BCB Wheeze >1yr

STOP!

Not suitable for this Best Care Bundle
Alert ED Senior Team Clinician (SMO/Senior RMO/PCNS/NP) immediately

NURSING ASSESSMENT

History, examination and vital signs

PEWS: _____

COVID 19 concern: *Nebulisers are Aerosol-Generating Procedures (AGP) follow guidelines for indications for use*

ASTHMA SEVERITY SCORE (SS) *Add both wheeze score and work of breathing score*

WHEEZE SCORE		WORK OF BREATHING SCORE	
None	0	None	0
Expiratory	1	Mild	1
Inspiratory and Expiratory	2	Moderate	2
Heard without Stethoscope	3	Severe	3
Silent Chest	3	Respiratory Fatigue	3

RED FLAGS *ALL RED FLAG BOXES MUST BE POPULATED*

= YES = NO

SS = 6 or PEWS ≥ 10 → Start Severe Pathway

Poor Response to Salbutamol prior to ED arrival

Previous PICU admit

Anaphylaxis in past

Possible FB inhalation

Cardiac Disease

Respiratory disease (CF/Bronchiectasis)

Urticarial rash

NO RED FLAGS

Continue Best Care Bundle
follow pathway instructions page 3 & 4

RED FLAGS PRESENT (ANY) → Senior clinician review ASAP (SMO/Senior RMO/PCNS/NP)

Clinician Name: _____ Sign: _____

Continue Care Bundle

Move to monitored / Resus

Exit Care Bundle: Reason: _____

SAMPLE SIGNATURES

Name	Sign	Initial	Name	Sign	Initial



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ASTHMA SEVERITY SCORE (SS) Add both wheeze score and work of breathing

WHEEZE SCORE		WORK OF BREATHING SCORE	
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Expiratory	1	Mild	1
Inspiratory and Expiratory	2	Moderate	2
Heard without Stethoscope	3	Severe	3
Silent Chest	3	Respiratory Fatigue	3

MILD PATHWAY (SEVERITY SCORE 1 - 2)

At each review: Record vital signs and then select management option

- If started on Moderate Pathway and moved to Mild Pathway - Do not go back. Seek advice from ED senior team for individualised management.
- Salbutamol standing order is for 3 initial doses - further doses must be prescribed.
- All medications must be documented on Paediatric Medication Chart
- ED senior team: SMO/Senior RMO/PCNS/NP

BEST CARE BUNDLE PATHWAY

START	SS:		<input type="checkbox"/> Give Salbutamol 6 puffs MDI	START HERE IF MOVED FROM MODERATE PATHWAY
	Time:			
At 20 mins	SS:		<input type="checkbox"/> Score 3 or above → move to Moderate Pathway	<input type="checkbox"/> Score 2 → give salbutamol 6 puffs MDI
	Time:			
At 40 mins	SS:		<input type="checkbox"/> Score 3 or above → move to Moderate Pathway	<input type="checkbox"/> Score 2 → give salbutamol 6 puffs MDI
	Time:			
At 60 mins	SS:		<input type="checkbox"/> Score 3 or above → move to Moderate Pathway	<input type="checkbox"/> Score 2 → give salbutamol 6 puffs MDI
	Time:			
At 2 hours	SS:		<input type="checkbox"/> Score 3 or above → move to Moderate Pathway	<input type="checkbox"/> Score 2 → Consult with ED Clinician for further treatment
	Time:			
	Sign:		<input type="checkbox"/> Score 0 - 1 → Observe with no treatment Discharge if only initial treatment given - Consult with ED Clinician	
	Sign:			



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MODERATE PATHWAY (SEVERITY SCORE 3 - 5)

At each 20 minute review: Record vital signs and then select management option

- If started on Moderate Pathway and moved to Mild Pathway - **Do not go back**. Seek advice from ED senior team for individualised management.
- **Nebulised therapy is an Aerosol-Generating Procedure (AGP) follow guidelines for indications for use**
- Salbutamol standing order is for 3 initial doses MDI- further doses or nebulised therapy must be prescribed.
- ED Clinician - DR/PCNS/NP
- All medications must be documented on **Paediatric Medication Chart**

START	SS:		<input type="checkbox"/> Give Salbutamol <input type="checkbox"/> MDI <input type="checkbox"/> Nebulised (Prescribed only)
	PEWS:		
At 20 mins	Time:		<input type="checkbox"/> Consult ED Clinician for consideration of prescribed oral steroid PEWS \geq 10 \rightarrow Start Severe Pathway
	Sign:		
At 40 mins	SS:		<input type="checkbox"/> Score 6 \rightarrow Start Severe Pathway <input type="checkbox"/> MDI <input type="checkbox"/> Nebulised (Prescribed only)
	Time:		
At 60 mins	Sign:		<input type="checkbox"/> Score 3 - 5 \rightarrow Give Salbutamol <input type="checkbox"/> Score 1 - 2 \rightarrow Move to Mild Pathway
	SS:		
At 90 mins	Time:		<input type="checkbox"/> MDI <input type="checkbox"/> Nebulised (Prescribed only)
	Sign:		
At 2 hours	SS:		<input type="checkbox"/> Score 6 \rightarrow Start Severe Pathway <input type="checkbox"/> MDI <input type="checkbox"/> Nebulised (Prescribed only)
	PEWS:		
	Time:		<input type="checkbox"/> Score 6 or PEWS \geq 10 \rightarrow Start Severe Pathway <input type="checkbox"/> Score 3 - 5 \rightarrow Give Salbutamol <input type="checkbox"/> Score 1 - 2 \rightarrow Move to Mild Pathway
	Sign:		
	SS:		<input type="checkbox"/> MDI <input type="checkbox"/> Nebulised (Prescribed only)
	PEWS:		
	Time:		<input type="checkbox"/> Score 6 or PEWS \geq 10 \rightarrow Start Severe Pathway <input type="checkbox"/> Score 3 - 5 \rightarrow Give Salbutamol <input type="checkbox"/> Score 1 - 2 \rightarrow Move to Mild Pathway
	Sign:		
	SS:		<input type="checkbox"/> MDI <input type="checkbox"/> Nebulised (Prescribed only)
	PEWS:		
	Time:		<input type="checkbox"/> Score 6 or PEWS \geq 10 \rightarrow Start Severe Pathway <input type="checkbox"/> Score 3 - 5 \rightarrow Give Salbutamol <input type="checkbox"/> Score 1 - 2 \rightarrow Move to Mild Pathway
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	SS:		<input type="checkbox"/> MDI <input type="checkbox"/> Nebulised (Prescribed only)
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	PEWS:		
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	Sign:		



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SEVERE PATHWAY (SS=6)

**NEBULISED THERAPY IS AN AEROSOL - GENERATING PROCEDURE
FOLLOW A.G.P. GUIDELINES FOR USE**

- Move patient to a Paediatric Resus Room
- Prepare and print Emergency Calculator Treatment Sheet
- Follow 'Life Threatening Asthma ≤ 15 years Algorithm'

The Severe Pathway is individualised treatment led by ED SMO/ Paediatric Registrar or Consultant

Inform Paediatric Registrar or Consultant early of all paediatric patients on the severe pathway

FORMULARY / MEDICATION OPTIONS

CHECK ALLERGY STATUS AND SEE MEDSAFE OR OTHER TEXT FOR FULL LIST OF CONTRAINDICATIONS

ALL MEDICATIONS MUST BE CHARTED ON THE NATIONAL MEDICATION CHART

TREATMENT IN ED

MEDICATION	DOSE	NOTES
Salbutamol MDI (100 mcg / puff)	6 Puffs (All ages)	<i>RN Standing Order - 3 Initial doses MDI only</i>
Salbutamol Nebulised (5 mg or 2.5mg nebulises)	≤ 5yrs 2.5mg > 5yrs 5mg	<i>Life Threatening asthma 5mg all ages Not a RN standing order for this BCB</i>
Ipratropium Bromide MDI (20 mcg / puff)	80mcg (or 4 puffs)	<i>Not a RN standing order for this BCB</i>
Ipratropium Bromide Nebulised (500 mcg / 2ml)	250mcg	<i>Not a RN standing order for this BCB</i>
Prednisolone (5 mg / mL)	1mg / kg (Max 40mg)	<i>Not a RN standing order for this BCB</i>
Dexamethasone (1mg / ml)	0.6mg/kg (Max 2mg)	<i>Not a RN standing order for this BCB</i>

DISCHARGE CRITERIA

- Senior ED Clinician DR/PCNS/NP or Paed team has reviewed patient and agrees with discharge plan
- No admission criteria exist
- Discharge letter, prescription and patient information sheet given to parent/caregiver
- Ongoing treatment explained and inhaler technique checked

Management after discharge:

- GP follow-up
- Community Nursing Referral

ADMISSION CRITERIA

- O₂ requirement
- Moderate symptoms persist
- Significant co-morbidities
- Other concerns

If transferring from NSH ED follow transfer/transport guidelines