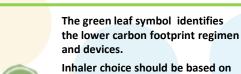
Humber and North Yorkshire 2024 Asthma Guidelines

The enclosed asthma guidelines are intended for use by clinicians working in Humber and North Yorkshire. These guidelines have been developed to inform treatment decisions for:

- People with suspected asthma that are awaiting objective diagnostic testing
- People with newly diagnosed asthma
- People with uncontrolled asthma considered by their clinician to require a change in treatment
- People considered by their clinician to require a change in asthma treatment for another reason through shared decision making

These guidelines <u>are not</u> intended to and <u>should not</u> be used to support or justify a switch in asthma therapy that is not clinically indicated. All change in treatment should be made through shared decision making between a patient and their clinician.







Inhaler choice should be based on an individual patient's needs, choice and ability to use the device.

Controlled asthma has a significantly lower environmental impact than uncontrolled asthma.

Guideline Key

- AIR: anti inflammatory reliever
- ICS: inhaled corticosteroid
- LABA: long-acting beta agonist
- LAMA: long-acting muscarinic antagonist
- LTRA: leukotriene receptor antagonist
- MART: maintenance and reliever therapy
- SABA: short-acting beta-agonist

Suspected Asthma Aged 5-11 years

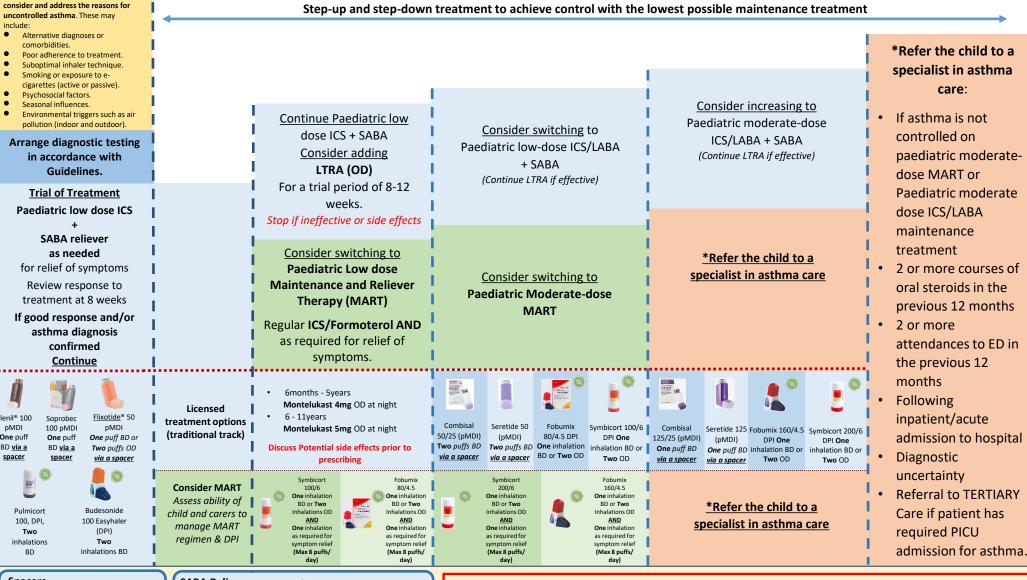
Before adjusting asthma medications.

HNY Asthma Guidelines **FINAL Approved by HNY APC** 04.06.25

Confirmed Asthma in Children Aged 5 -11 Years Old



Humber and North Yorkshire Health and Care Partnership



Spacers Aerochamber plus Flow-Vu Youth



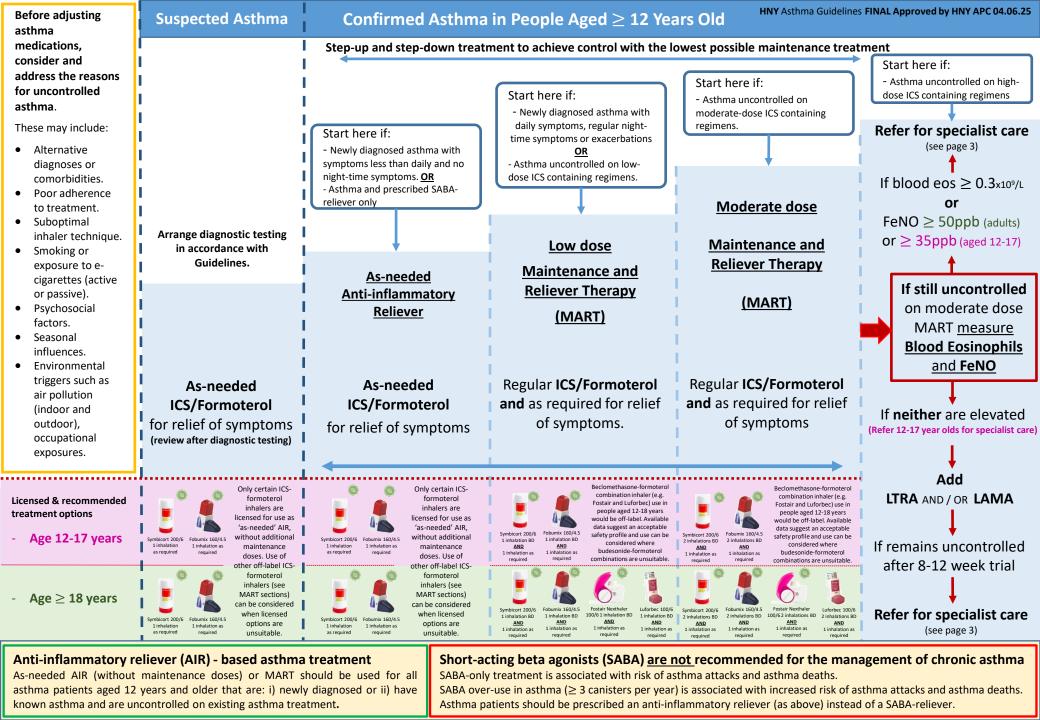








Short-acting beta agonist (SABA) relievers are recommended in this age group, but should not be prescribed without concomitant inhaled corticosteroid in the management of chronic asthma SABA-only treatment is associated with risk of asthma attacks and asthma deaths. SABA over-use in asthma (≥ 3 canisters per year) is associated with increased risk of asthma attacks and asthma deaths. Unless using MART, asthma patients should be prescribed inhaled corticosteroids alongside a SABA- reliever.



Suspected Severe Asthma (Aged \geq 12 years)

Severe asthma effects around 10% of all asthma patients and refers to people that either: i) require high-dose inhaled corticosteroids to achieve control, or ii) remain uncontrolled despite treatment with high-dose inhaled corticosteroids. Difficult asthma is different to severe asthma and refers to people with asthma who's symptoms are uncontrolled due to factors other than asthma (e.g. poor adherence with treatment, breathing pattern disorder, reflux disease, inducible laryngeal obstruction, obesity, and/or breathing pattern disorder).

People with both difficult and severe asthma should be referred for specialist care.

Who to refer for specialist review with suspected severe asthma

Asthma patients taking fixed, high-dose ICS-LABA combination inhalers +/-additional controllers and requiring 2 or more OCS courses within the past year

Asthma patients taking moderate-dose MART <u>and</u> evidence of T2 inflammation (blood eos 0.3x10⁹/L **or** FeNO ≥ 50ppb in adults or ≥ 35ppb for those aged 12-17 years) <u>and</u> requiring 2 or more OCS courses within the past year

Asthma patients taking moderate-dose MART without evidence of T2 inflammation + LTRA + LAMA <u>and</u> requiring 2 or more OCS courses within the past year

When to refer with suspected severe asthma

People with suspected severe asthma should be referred for specialist assessment without delay. However, many patients with suspected severe asthma can be controlled with good quality standard asthma care. Therefore, the following should be considered prior to referral:

- Asthma diagnosis should be reviewed & confirmed.
- Assess and optimise adherence with regular preventer/controller medication.
- Inhaler technique should be assessed and taught.
- Triggers should be identified and, where possible, exposure removed.
- Co-morbidities/difficult asthma features should be identified and treatment optimised.

What information to include in the referral for suspected severe asthma

Summary of current symptoms and concerns.

Details of past medical history to include co-morbidities, difficult asthma features and their treatment.

Current asthma treatments including dose and evidence of adherence.

Past asthma treatments and reason that they were discontinued (e.g. lack of effectiveness, adverse effects etc.)

Number of exacerbations in the past year (number of acute OCS courses).

Objective tests supporting asthma diagnosis (past and/or present).

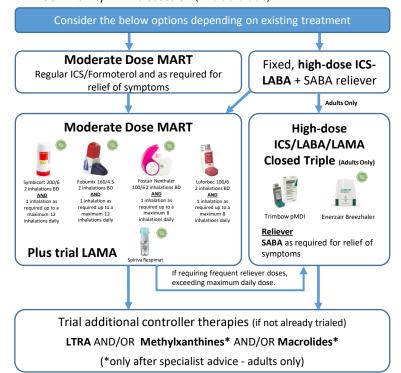
T2 biomarkers: highest blood eosinophils within the past year and FeNO.

History of atopy, including results of allergy testing (e.g. IgE, Specific IgE (RAST), skin prick testing).

What to do while your patient is awaiting specialist review



- Advice and Guidance (include the same information as per referral)
- Community MDT discussion (where available).



Biologics in Severe Asthma

Biologics are advanced treatments that target specific inflammatory pathways in severe asthma. Biologics can prove transformational for appropriately selected severe asthma patients both in terms of preventing exacerbations, improving quality of life and reducing steroid burden. Early, appropriate referral of severe asthma patients for specialist assessment is important to ensure that the right patients can access these life changing medicines without unnecessary delay.

ICS/Formoterol is the preferred reliever in asthma

ICS/Formoterol is the preferred reliever in asthma. ICS/formoterol is effective as required to relieve symptoms without regular preventer therapy in mild asthma (anti inflammatory reliever therapy: AIR) or alongside regular maintenance doses of the same inhaler (maintenance and reliever therapy: MART) in moderate to severe asthma.

ICS/Formoterol Reliever

- Formoterol is a fast- and long-acting bronchodilator, providing rapid relief of bronchoconstriction
- Using ICS/formoterol as a reliever ensures that symptomatic asthma patients receive an inhaled corticosteroid, even when adherence to preventer therapies is sub-optimal.
- AIR is as effective at preventing asthma attacks as taking regular ICS with SABA reliever in mild asthma and is safer than using SABA alone
- Do not routinely co-prescribe a SABA alongside an AIR/MART regimen. SABA co-prescription has potential to lead to confusion and continued SABA over-use.
- Provide a dedicated Asthma Action Plan when prescribing AIR and MART

Instructions during an asthma attack:

In an asthma emergency I should:

- 1. Sit up, stay calm and loosen tight clothing
- 2. Take 1* puff of my AIR/MART inhaler
- If needed, take 1* additional puff of my AIR/MART inhaler every 1 to 3 minutes (up to a maximum of 6* puffs)
- 4. If I don't feel better, or feel worse at any point, call 999 for an ambulance.
- 5. If the ambulance has not arrived after 10 minutes and my symptoms are not improving, I should repeat step 3.
- 6. If am still still not improving, I should contact 999 again immediately.

*If using Symbicort pMDI 100/3, 2 puffs equate to 1 puff of the Turbohaler.

Therefore use 2 puffs as needed, up to a maximum of 12 puffs.

Principles of Good Asthma Care

Check that all principles are being followed when considering stepping up asthma treatment

- Inhaler technique should be taught and reviewed during every asthma consultation. Inhaler technique videos are available at: <u>How to use your</u> inhaler | Asthma UK
- 2. Adherence with preventer therapy is often low and should be assessed and addressed during every asthma consultation.
- 3. If prescribing a pMDI inhaler, an appropriate spacer should be prescribed and instructions about its use and maintenance provided.
- All patients should be given a personalised asthma action plan which should be updated following any treatment change.

- 5. Patients using MART should not be coprescribed a SABA inhaler (see above).
 - 6. Appropriate life-style and selfmanagement advice should be discussed during each asthma consultation (e.g. trigger avoidance smoking cessation, physical activity, weight management etc.)
 - Persistent use of ICS/formoterol for relief of symptoms 7 or more times a week should prompt review and step up of maintenance treatment considered.
 - 8. Asthma diagnosis should be reconsidered and features of difficult asthma considered whenever step-up of treatment is considered.

HNY Asthma Guidelines FINAL Approved by HNY APC 04.06.25

The aim of asthma management is to achieve asthma control.

- What is asthma control?

Overall asthma control

Reduce future risks^{1,2}

No day-time symptoms
No night-time awakening due to asthma

No adverse effects of treatment

1. BTS/SIGN, Guideline for the Management of Asthma, July 2019.
2. Global Initiative for Asthma (GINA). Global Strategy for Asthma Management and Prevention, Updated 2022.

Excessive reliever use[†] indicates the need for asthma review. Always provide a personalised asthma action plan with guidance to patients about when to seek review by an asthma clinician.

Who/when to refer for a specialist opinion (aged \geq 12 years)

Diagnostic uncertainty based on clinical judgement +/- primary care investigations

No limitation of activity (including exercise)

Normal lung function

No need for rescue medication

- Unexpected / inconsistent clinical findings (e.g. stridor, monophonic • wheeze, clubbing, cyanosis).
- Suspected occupational asthmaProminent systemic features
- (myalgia, fever, weight loss)
- Patients uncontrolled on moderate dose MART plus LTRA/LAMA when T2 biomarkers low.

 To advice about when to refer shildren area.

elevated T2 biomarkers (see 12+ guideline for age specific range). Frequent exacerbations (requiring 2 or more oral corticosteroid courses per year despite optimal inhaled therapy).

Patients uncontrolled on

moderate dose MART with

Unstable / labile symptoms

Adverse effects of treatment

Loss of lung function

Difficult asthma (e.g. suspected inducible laryngeal obstruction, refractory reflux etc.)

For advice about when to refer children aged 5-11 years, see specific guideline (page 2)

Where can I find more asthma resources? Implementation SENTINEL Plus Quality A+L UK A+L UK







Greener Practice Toolkit

