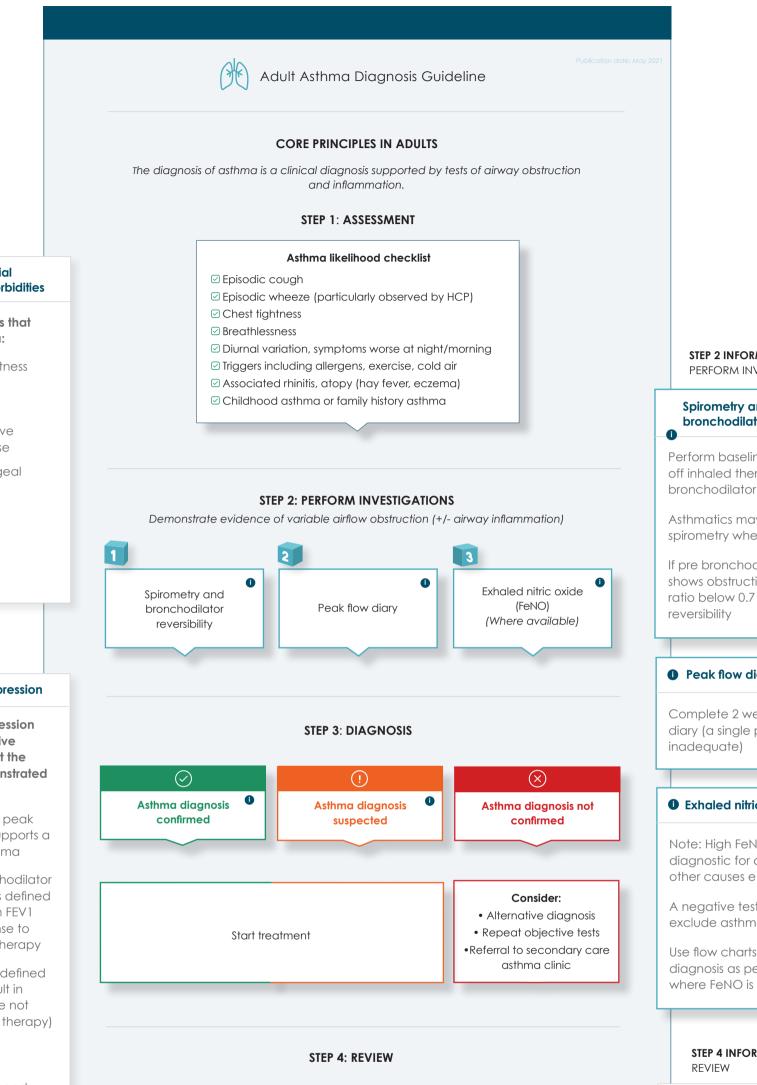
Adult Asthma Diagnosis Guideline



STEP 1 INFORMATION: ASSESSMENT

Consider differential diagnoses/co-morbidities

Consider conditions that may mimic asthma:

- Obesity or poor fitness
- Anxiety or hyperventilation
- Chronic obstructive pulmonary disease
- Gastro-oesophageal reflux disease
- Upper airway abnormalities
- Bronchiectasis
- Heart failure

STEP 3 INFORMATION: DIAGNOSIS

Strong clinical impression

Strong clinical impression (step 1) with objective evidence to support the diagnosis, as demonstrated by one of:

- Evidence of 20% peak flow variability supports a diagnosis of asthma
- A positive bronchodilator reversibility test is defined as an increase in FEV1 of 12%, in response to bronchodilator therapy
- FeNO >40ppb is defined as a positive result in adults (who have not received steroid therapy)

Start treatment

- Low dose ICS
- Inhaler technique and

STEP 2 INFORMATION: PERFORM INVESTIGATIONS

Spirometry and bronchodilator reversibility

Perform baseline spirometry off inhaled therapy pre

Asthmatics may have normal spirometry when well

If pre bronchodilator spirometry shows obstruction (FEV1/FVC ratio below 0.7 OR LLN) perform

Peak flow diary

Complete 2 week peak flow diary (a single peak flow is

Exhaled nitric oxide (FeNO)

Note: High FeNO is not diagnostic for asthma and has other causes e.g. rhinitis

A negative test does not exclude asthma

Use flow charts for asthma diagnosis as per NICE NG80 where FeNO is available

STEP 4 INFORMATION:

Review

- correct spacer
- Personalised asthma action plan
- Document triggers
- Smoking cessation
- Advice on Flu vaccination
- Advice on weight

Ensure patient has expected response to therapy - if poor response re-consider diagnosis, compliance and inhaler technique

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FeNO: Fractional Expired Nitric Oxide FEV1: Forced Expiratory Volume in one second FEV1/FVC ratio: Forced Expiratory Volume in one second over Fored Vital Capacity represented as a ratio ICS: Inhaled Corticosteroid LLN: Lower Limit of Normal Pre BD: Pre bronchodilator

- Review annually if asthma well controlled
- Review after 3 months if any change to treatment or exacerbation/suboptimally controlled symptoms
- Consider stepping down if well controlled