Diagnostic algorithm

Presentation with respiratory symptoms: wheeze, cough, breathlessness, chest tightness1 Structured clinical assessment (from history and examination of previous medical records) Look for: recurrent episodes of symptoms · recorded observation of wheeze symptom variability personal history of atopy absence of symptoms of alternative diagnosis historical record of variable PEF or FEV, High probability Low probability Intermediate probability of asthma of asthma of asthma Test for airway obstruction spirometry + bronchodilator reversibility Code as: suspected asthma Initiation of **Poor** Other diagnosis treatment response unlikely Assess response Options for investigations are: objectively (lung function/ Test for variability: Test for eosinophilic validated symptom inflammation or atopy: Investigate/treat for reversibility score) other more likely PEF charting FeNO diagnosis blood eosinophils, challenge tests skin-prick test, IgE **Good response Asthma** Poor Good response response Other diagnosis Adjust maintenance Suspected asthma: confirmed dose Watchful waiting (if asymptomatic) Provide selfmanagement advice Commence treatment and Arrange on-going assess response objectively review

¹ In children under 5 years and others unable to undertake spirometry in whom there is a high or intermediate probability of asthma, the options are monitored initiation of treatment or watchful waiting according to the assessed probability of asthma.