

Evidence report	Type of review	Review questions
1.1 Accuracy and clinical and cost-effectiveness of spirometry for diagnosis of asthma	Diagnostic: Test and treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and clinical and cost-effectiveness of spirometry?
1.2 Accuracy and clinical and cost-effectiveness of bronchodilator response in the diagnosis of asthma	Diagnostic: Test and treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and clinical and cost-effectiveness of bronchodilator response (using PEF or FEV1)?
1.3 Accuracy and clinical and cost-effectiveness of peak expiratory flow in the diagnosis of asthma	Diagnostic: Test and treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and clinical and cost-effectiveness of peak expiratory flow (PEF) variability?
1.4 Accuracy and clinical and cost-effectiveness of skin prick test in children for diagnosis of asthma	Diagnostic: Test and treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and cost-effectiveness of skin prick tests in children?
1.5 Accuracy and clinical and cost-effectiveness of serum IgE measures in diagnosing asthma in children	Diagnostic: Test and treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and cost-effectiveness of total and specific serum IgE measures in children?
1.6 Accuracy and clinical and cost-effectiveness of FeNO in the diagnosis of asthma	Diagnostic: Test and treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and clinical and cost effectiveness of fractional exhaled nitric oxide (FeNO) measures?
1.7 Accuracy and clinical and cost-effectiveness of eosinophil blood	Diagnostic: Test and treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and cost-effectiveness of eosinophil blood count measures?

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count measures in the diagnosis of asthma		
1.8 Accuracy and clinical and cost-effectiveness of histamine and methacholine in the diagnosis of asthma	Diagnostic: Test and treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and clinical and cost-effectiveness of bronchial challenge testing (direct) with histamine and methacholine?
1.9 Accuracy and clinical and cost-effectiveness of bronchial challenge testing (indirect) with mannitol in diagnosing asthma	Diagnostic: Test and treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and clinical and cost-effectiveness of bronchial challenge testing (indirect) with mannitol?
1.10 Accuracy and clinical and cost-effectiveness of bronchial challenge testing in response to exercise in diagnosis of asthma	Diagnosis: test-and-treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic accuracy and clinical and cost-effectiveness of bronchoconstriction in response to an exercise challenge?
1.11 Accuracy and clinical and cost-effectiveness of combination tests for diagnosis in people with suspected asthma	Diagnosis: test-and-treat and diagnostic accuracy	In people under investigation for asthma, what is the diagnostic test accuracy and clinical and cost-effectiveness of a combination of tests?
2.1 Symptoms scores/diaries or validated questionnaires measuring symptom control to monitor asthma	Intervention	In people with asthma, what is the clinical and cost-effectiveness of using symptom scores/diaries or validated questionnaires measuring symptom control (e.g. ACT, ACQ, CACT, RCP 3 questions) and/or health related quality of life (e.g. AQLQ, PAQLQ) to monitor asthma?
2.2 Pulmonary function: spirometry or peak expiratory flow to monitor asthma	Intervention	In people with asthma, what is the clinical and cost-effectiveness of using measures of pulmonary function assessing asthma control (for example, spirometry and peak expiratory flow) to monitor asthma?

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2.3 FeNO measures to monitor asthma	Intervention	In people with asthma, what is the clinical and cost-effectiveness of using fractional exhaled nitric oxide (FeNO) measures for monitoring asthma control?
2.4 Risk stratified care for people with asthma	Intervention	What is the clinical and cost-effectiveness of risk stratification in delivering asthma care in adults, children and young people?
3.1 Pharmacological management of asthma in people who are treatment-naïve or receiving SABA-only	Intervention	What is the most clinically and cost-effective drug class or combination of drug classes (short-acting beta agonist [SABA] prn, SABA prn plus regular inhaled corticosteroid [ICS], or ICS plus SABA / long-acting beta-agonist [LABA] combination inhaler prn) for the management of asthma in people who are treatment-naïve or receiving SABA alone?
3.2 Drug combinations and sequencing for asthma management.	Drug combinations and sequencing for asthma management	What is the most clinically and cost-effective sequence in which to introduce additional drugs or combination of drugs for the management of asthma when initial management fails to provide adequate control?
4.1 Smart preventer/maintenance inhalers for the management of asthma	Intervention	What is the clinical and cost-effectiveness of smart preventer/maintenance inhalers for the management of asthma?