

Economic plan

This plan identifies the areas prioritised for economic modelling. The final analysis may differ from those described below. The rationale for any differences will be explained in the guideline.

1 Guideline

Asthma: diagnosis, monitoring and chronic asthma management

2 List of modelling questions

| Review questions by scope area | Combination of diagnostic tests: In people under investigation for asthma, what is the diagnostic test accuracy and cost effectiveness of combinations of tests? |
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| Population | Adults and children with symptoms suggestive of asthma |
| Interventions and comparators considered for inclusion | Combinations or sequences of the following diagnostic tests: <ul style="list-style-type: none"> • Spirometry • Bronchodilator reversibility test (BDR) • Peak expiratory flow test (PEFv) • Fractional Exhaled Nitric Oxide (FeNO) • Skin prick test • IgE • Blood eosinophils • Mannitol challenge test • Methacholine challenge test |
| Perspective | NHS and personal social services |
| Outcomes | QALY |
| Type of analysis | Cost-utility analysis |
| Modelling software | R studio |
| Issues to note | |

Economic Plan

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| Review questions by scope area | 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? |
| Population | 1 – Adults with uncontrolled asthma on initial management with ICS/formoterol combination inhaler 2 – Adults with uncontrolled asthma on low-dose MART 3 – Children with uncontrolled asthma on initial management with low-dose ICS + SABA prn |
| Interventions and comparators considered for inclusion | 1 – Low-dose MART vs low/moderate-dose ICS/LABA + SABA prn 2 – Moderate-dose MART vs moderate/high-dose ICS/LABA + SABA prn 3 – Low-dose MART vs low/moderate-dose ICS + SABA prn vs low-dose ICS/LABA + SABA prn |
| Perspective | NHS and personal social services |
| Outcomes | QALY |
| Type of analysis | Cost-utility analysis |
| Modelling software | Excel |
| Issues to note | |