

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

Thyroid Cancer

2 List of modelling questions

Review questions by scope area	<p>For people with fine-needle aspiration samples showing benign cytology or non-diagnostic features, is it clinically and cost effective to repeat FNAC, use active surveillance or discharge?</p> <p>For people who have had fine-needle aspiration samples, what is the clinical and cost effectiveness of molecular testing to diagnose or rule out thyroid cancer?</p>
Population	Adults with thyroid nodule on ultrasound at initial presentation who underwent fine-needle aspiration cytology and received an inadequate result. The population was stratified for each cytology Thy1, Thy3a and Thy3f
Interventions and comparators considered for inclusion	<ul style="list-style-type: none"> • Repeat FNAC • Core-needle biopsy (CNB) • Molecular testing • Repeat FNAC and molecular testing • CNB and molecular testing
Perspective	NHS and personal social services
Outcomes	QALY
Type of analysis	Cost-utility analysis
Modelling software	Excel
Issues to note	
Review questions by scope area	<p>What is the clinical and cost effectiveness of radioactive iodine with thyrotropin alfa versus radioactive iodine with withdrawal of thyroid hormone replacement?</p>
Population	Adults who received total thyroidectomy and are in preparation for radioactive iodine ablation (RAI)
Interventions and comparators considered for inclusion	<ul style="list-style-type: none"> • Recombinant human TSH with Thyrotropin alpha • Thyroid hormone withdrawal

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