

# 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

Head injury: assessment and early management

## 2 List of modelling questions

<b>Review questions by scope area</b>	What is the clinical and cost effectiveness of tranexamic acid for managing suspected or confirmed isolated traumatic intracranial bleeding pre-hospital and in hospital?
Population	Adults with traumatic brain injury (TBI) in a pre-hospital setting <ul style="list-style-type: none"> <li>• Severe TBI</li> <li>• Moderate TBI</li> <li>• Mild TBI and indicated for urgent head computed tomography (CT) scan (Sensitivity analysis)</li> </ul>
Interventions and comparators considered for inclusion	Tranexamic acid (2g bolus) No Tranexamic acid
Perspective	NHS and personal social services
Outcomes	Quality-adjusted life-years
Type of analysis	Cost-utility analysis
Modelling software	Excel
Issues to note	
<b>Review questions by scope area</b>	What are the indications for selecting adults, young people, children and infants with head injury for CT or MRI head scan in a sub-group including <ul style="list-style-type: none"> <li>- people on anticoagulant or antiplatelet therapy, including those with no history of amnesia or loss of consciousness</li> <li>— people with liver or coagulopathy disorders</li> <li>- people with pre-injury cognitive impairment sustaining injury through low level falls</li> <li>- people sustaining recurrent head injuries through sport</li> <li>- people presenting more than 24 hours after injury?</li> </ul>
Population	Adults on anticoagulants and minor head injury and no other indication for CT

## Economic Plan

Interventions and comparators considered for inclusion	Head CT scan No head CT scan
Perspective	NHS and personal social services
Outcomes	Quality-adjusted life-years
Type of analysis	Cost-utility analysis
Modelling software	Excel
Issues to note	Issues to note

<b>Review questions by scope area</b>	What are the indications for hospital admission in people with small intracranial injuries? What is the rate of clinical deterioration in people with isolated skull fracture?
Population	People with isolated skull fracture on CT and no other indication for admission
Interventions and comparators considered for inclusion	Admission for observation No admission
Perspective	NHS and personal social services
Outcomes	Quality-adjusted life-years
Type of analysis	Cost-utility analysis
Modelling software	Excel
Issues to note	