

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

Epilepsies in children, young people and adults: diagnosis and management

2 List of modelling questions

The following review questions were identified as economic priorities:

Review questions by scope area	<p>What antiseizure therapies (individually or in combination) are effective in the treatment of generalised tonic-clonic (GTC) seizures?</p> <p>&</p> <p>What antiseizure therapies (individually or in combination) are effective in the treatment of focal onset seizures?</p>
Population	<p>Monotherapy model: Adults and children with newly diagnosed epilepsy of the sub-types stated in the review questions</p> <p>Add-on model: Adults and children with refractory epilepsy of the sub-types stated in the review question</p>
Interventions and comparators considered for inclusion	<p>Monotherapy:</p> <p>Carbamazepine (CBZ)</p> <p>Gabapentin (GBP)</p> <p>Lacosamide (LCM)</p> <p>Lamotrigine (LTG)</p> <p>Levetiracetam (LEV)</p> <p>Oxcarbazepine (OXC)</p> <p>Phenobarbital (PHB)</p> <p>Phenytoin (PHT)</p> <p>Sodium Valproate (VPS)</p> <p>Topiramate (TPM)</p> <p>Zonisamide (ZNS)</p> <p>Add-on:</p> <p>Brivaracetam (BRV)</p> <p>Carbamazepine (CBZ)</p> <p>Eslicarbazepine Acetate (ESL)</p> <p>Gabapentin (GBP)</p> <p>Lacosamide (LCM)</p> <p>Lamotrigine (LTG)</p> <p>Levetiracetam (LEV)</p> <p>Oxcarbazepine (OXC)</p>

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	Perampanel (PER) Phenytoin (PHT) Pregabalin (PGB) Primidone (PRM) Sodium valproate (VPS) Tiagabine (TGB) Topiramate (TPM) Vigabatrin (VGB) Zonisamide (ZNS)
Perspective	UK NHS + PSS
Outcomes	QALYs, Costs, Incremental cost-effectiveness ratio (ICER) – cost/QALY
Type of analysis	Cost Utility
Issues to note	Four economic models in total. A monotherapy and an add-on therapy model for both focal onset seizures and GTC seizures. All 4 models are linked to network meta-analyses.

Review questions by scope area	What is the effectiveness of a nurse specialist in the management of epilepsy?
Population	Adults and children with confirmed epilepsy
Interventions and comparators considered for inclusion	<i>Intervention:</i> Epilepsy nurse specialist intervention in addition to usual care. <i>Comparator:</i> Usual care
Perspective	UK NHS + PSS
Outcomes	QALYs, Costs, Incremental cost-effectiveness ratio (ICER) – cost/QALY
Type of analysis	Cost Utility
Issues to note	