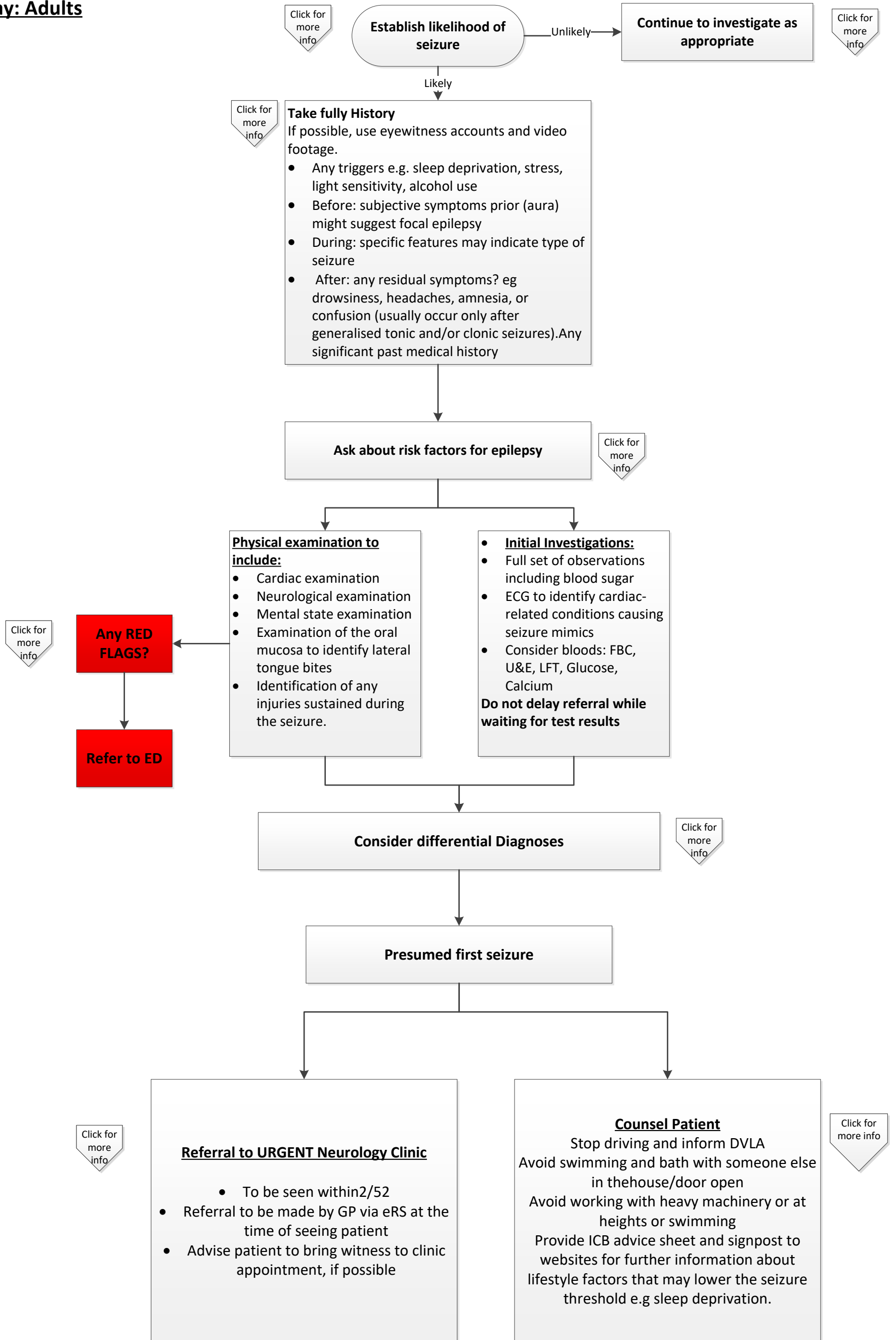


**GP First Seizure Referral
Pathway: Adults**



Back to
pathway

Any red flags?

- GCS persistently <15
- Focal Neurological signs/deficit
- Sudden onset headache
- Head injury
- Signs of Meningitis or encephalitis
- Signs of raised intra-cranial pressure
- Headache associated with seizures
- Pregnancy/post-partum, features suggestive of Pregnancy induced Hypertension
- History of malignancy
- Patients on anti-coagulants
- Chronic alcoholic
- Prolonged seizure

Click for
more
info

Alternative Diagnoses

'Blackouts' that are not seizures, that require secondary care assessment, should be referred to cardiology, who run the syncope and TLoC services.

Go back to
pathway

Consider likelihood of epileptic seizure

• **People who present with one or more of the following features are strongly suggestive of epileptic seizures:**

- A bitten tongue
- Head-turning to 1 side during TLoC
- No memory of abnormal behaviour that was witnessed before, during or after TLoC by someone else
- Unusual posturing — prolonged limb-jerking (note that brief seizure-like activity can often occur during uncomplicated faints)
- confusion following the event
- prodromal déjà vu, or jamais vu

Consider that the episode may not be related to epilepsy if any of the following features are present:

- prodromal symptoms that on other occasions have been abolished by sitting or lying down
- Sweating before the episode
- Prolonged standing that appeared to precipitate the TLoC
- Pallor during the episode.

Go back to
pathway

Features suggestive of specific types of seizure

- **Short-lived (less than 1 minute), abrupt, generalised muscle stiffening (may cause a fall) with rapid recovery** – suggestive of tonic seizure
- Generalised stiffening and subsequent rhythmic jerking of the limbs, urinary incontinence, tongue biting – suggestive of a generalised tonic-clonic seizure.
- **Behavioural arrest** – indicative of absence seizure
- Sudden onset of loss of muscle tone- Suggestive of atonic seizure
- **Brief, 'shock-like' involuntary single or multiple jerks** – suggestive of myoclonic seizure.

Risk factors for predisposition to epilepsy

- Premature birth.
- Complicated febrile seizures.
- A genetic condition that is known to be associated with epilepsy, such as tuberous sclerosis or neurofibromatosis.
- Brain development malformations – usually associated with epilepsy developing before adulthood.
- A family history of epilepsy or neurologic illness.
- Head trauma, infections (for examples meningitis encephalitis), or tumours – can occur at any age.
- Comorbid conditions such as cerebrovascular disease or stroke - more common in older people.
- Dementia and neurodegenerative disorders (people with Alzheimer’s disease are up to ten times more likely to develop epilepsy than the general population).

Conditions which may present with similar features to epilepsy include:

- Vasovagal syncope.
- Cardiac arrhythmias.
- Panic attacks with hyperventilation.
- Non-epileptic attack disorders (psychogenic non-epileptic seizures, dissociative seizures, orpseudoseizures).
- Transient ischaemic attack.
- Migraine.
- Medication, alcohol, or drug intoxication.
- Sleep disorders.
- Movement disorders.
- Hypoglycaemia and metabolic disorders.
- Transient global amnesia.
- Delirium or dementia — altered awareness may be mistaken for seizure activity.

Patient to be referred to urgent neurology clinic (to be seen within 2/52)

Referral to be made at the time by GP seeing the patient

Referral criteria for first seizure:

- Any first seizure in adult >16 years old
- Not known epileptic

Urgent referral with the following information:

- Clinical notes
- Eyewitness account (if possible)
- Results of any available investigations



Back to
Pathway

Resources for Patients

Direct patient to <https://www.epilepsy.org.uk/info> for further information

Provide Patient with [ICB advice sheet](#), to be found on landing page