

A seizure is an uncontrolled electrical disturbance in the brain. There are changes in levels of consciousness and movements.

Types of Seizures

- Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, with status epilepticus (G40.001)
- Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, without status epilepticus (G40.009)
- Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, with status epilepticus (G40.011)
- Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, without status epilepticus (G40.019)
- Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, with status epilepticus (G40.101)
- Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, without status epilepticus (G40.109)
- Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, with status epilepticus (G40.111)
- Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, without status epilepticus (G40.119)
- Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, with status epilepticus (G40.201)
- Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, without status epilepticus (G40.209)
- Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, with status epilepticus (G40.211)
- Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, without status epilepticus (G40.219)
- Generalized idiopathic epilepsy and epileptic syndromes, not intractable, with status epilepticus (G40.301)
- Generalized idiopathic epilepsy and epileptic syndromes, not intractable, without status epilepticus (G40.309)
- Generalized idiopathic epilepsy and epileptic syndromes, intractable, with status epilepticus (G40.311)
- Generalized idiopathic epilepsy and epileptic syndromes, intractable, without status epilepticus (G40.319)
- Other generalized epilepsy and epileptic syndromes, not intractable, with status epilepticus (G40.401)
- Other generalized epilepsy and epileptic syndromes, not intractable, without status epilepticus (G40.409)
- Other generalized epilepsy and epileptic syndromes, intractable, with status epilepticus (G40.411)
- Other generalized epilepsy and epileptic syndromes, intractable, without status epilepticus (G40.419)

- syndromes, intractable, without status epilepticus (G40.419)
- Cyclin-Dependent Kinase-Like 5 Deficiency Disorder (G40.42)
- Epileptic seizures related to external causes, not intractable, with status epilepticus (G40.501)
- Epileptic seizures related to external causes, not intractable, without status epilepticus (G40.509)
- Other epilepsy, not intractable, with status epilepticus (G40.801)
- Other epilepsy, not intractable, without status epilepticus (G40.802)
- Other epilepsy, intractable, with status epilepticus (G40.803)
- Other epilepsy, intractable, without status epilepticus (G40.804)
- Lennox-Gastaut syndrome, not intractable, with status epilepticus (G40.811)
- Lennox-Gastaut syndrome, not intractable, without status epilepticus (G40.812)
- Lennox-Gastaut syndrome, intractable, with status epilepticus (G40.813)
- Lennox-Gastaut syndrome, intractable, without status epilepticus (G40.814)
- Epileptic spasms, not intractable, with status epilepticus (G40.821)
- Epileptic spasms, not intractable, without status epilepticus (G40.822)
- Epileptic spasms, intractable, with status epilepticus (G40.823)
- Epileptic spasms, intractable, without status epilepticus (G40.824)
- Dravet syndrome, intractable, with status epilepticus (G40.833)
- Dravet syndrome, intractable, without status epilepticus (G40.834)
- Other seizures (G40.89)
- Epilepsy, unspecified, not intractable, with status epilepticus (G40.901)
- Epilepsy, unspecified, not intractable, without

- status epilepticus (G40.909)
- Epilepsy, unspecified, intractable, with status epilepticus (G40.911)
- Epilepsy, unspecified, intractable, without status epilepticus (G40.919)
- Absence epileptic syndrome, not intractable, with status epilepticus (G40.A01)
- Absence epileptic syndrome, not intractable, without status epilepticus (G40.A09)
- Absence epileptic syndrome, intractable, with status epilepticus (G40.A11)
- Absence epileptic syndrome, intractable, without status epilepticus (G40.A19)
- Juvenile myoclonic epilepsy, not intractable, with status epilepticus (G40.B01)
- Juvenile myoclonic epilepsy, not intractable, without status epilepticus (G40.B09)
- Juvenile myoclonic epilepsy, intractable, with status epilepticus (G40.B11)
- Juvenile myoclonic epilepsy, intractable, without status epilepticus (G40.B19)
- Simple febrile convulsions (R56.00)
- Complex febrile convulsions (R56.01)
- Post-traumatic seizures (R56.1)
- Unspecified convulsions (R56.9)

Signs and Symptoms

Signs and symptoms for seizures include:

- Temporary confusion.
- Staring spells.
- Uncontrollable jerking of the arms and legs.
- Loss of consciousness.
- Emotions such as fear and anxiety.

Risk factors

Risk factors that increase the chance of a patient developing seizures include:

- Premature babies
- Babies who suffer from seizures within their new born phase and first month.
- Hemorrhaging in the brain.

- Abnormal blood vessels in the brain
- Brain injury
- Lack of oxygen in the brain
- Brain tumors
- Meningitis or encephalitis
- Cerebral palsy
- Head injuries
- Family history seizure disorders
- Alzheimer' disease
- Autism spectrum disorder
- Febrile seizures
- Long episodes of seizures or repeated seizures called status epilepticus.
- Drug abuse with cocaine and other illegal substances.

Complications

Complications arise as a result of a seizure. These include:

- Falling.
- Drowning.
- Car accidents.
- Pregnancy complications.
- Emotional health issues.

Diagnostics Tools

- A neurological exam.
- Blood tests.
- Lumbar puncture.
- An electroencephalogram

Treatment

- Medications.
- Dietary therapy.
- Lobectomy.
- Multiple subpial transections.
- Corpus callosotomy.
- Hemispherectomy.
- Thermal ablation.

Clinical Documentation and Coding Tips

Always document it to the highest level of specificity

- SOAP Notes documentation tips:
 - **Subjective** – In the subjective section of the office note, document the presence or absence of any current symptom related to seizure, seizure disorder, epilepsy, etc.
 - **Objective** – In the objective section of the office note, document current associated physical exam findings and related diagnostic test results
 - **Assessment** – In the final assessment, spell out the seizure(s), seizure disorder, or epilepsy diagnosis in full.
 - Document the type of seizure(s), seizure disorder, or epilepsy to the highest level of specificity with all appropriate descriptors (e.g., idiopathic, symptomatic, intractable, clonic, grand mal, partial complex, etc.).
 - Include the status of seizures, seizure disorder, or epilepsy (stable, improved, worsening, historical with no recurrence, etc.).

Plan – Document a specific and concise **treatment** plan for seizure(s), seizure disorder, or epilepsy.

- Clearly link medications to the seizure or epilepsy diagnosis.
- Outline planned diagnostic testing.
- If referrals are made or consultations requested, the office note should indicate to whom or where the referral or consultation is made or from whom consultation advice is requested.
- Document when the patient will be seen again.

Medicare Hierarchal Condition Categories (HCC)

Hierarchical condition category (HCC) coding is a risk-adjustment model designed to estimate future health care costs for patients. This model filters ICD-10CM codes into diagnosis groups (DxGs), and then into Conditions Categories (CCs). Hierarchies or **families** are placed to gain an HCC numeric code, which translates to a risk adjustment factor

(RAF) value. Each diagnosis code found in the model, as a stand-alone diagnosis code or within a family or hierarchy, carries a value through RAF, but this value can change if the patient has other influencing factors such as ESRD, hospice, or are dual-eligible. Families or hierarchies set a value based on the severity of illness, with more severe diagnoses carrying the overall risk score for that family. Diagnoses within families or hierarchies are inclusive of one another, while any additional diagnoses from other hierarchies or stand-alone diagnoses are additive and increase each patient's overall risk score.

Seizures are a chronic condition that falls within the category "Seizure Disorders and Convulsions" (HCC 79) with an average RAF Score 0.237

Coding Seizures

There are fifty-four (54) ICD - 10CM applicable codes to use for coding Seizure Disorder.

ICD-10 Code	Code description
G40.001	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, with status epilepticus
G40.009	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, without status epilepticus
G40.011	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, with status epilepticus
G40.019	Localization-related (focal) (partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, intractable, without status epilepticus
G40.101	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, with status epilepticus

G40.109 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, not intractable, without status epilepticus

G40.111 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, with status epilepticus

G40.119 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures, intractable, without status epilepticus

G40.201 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, with status epilepticus

G40.209 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, without status epilepticus

G40.211 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, with status epilepticus

G40.219 Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, without status epilepticus

G40.301 Generalized idiopathic epilepsy and epileptic syndromes, not intractable, with status epilepticus

G40.309 Generalized idiopathic epilepsy and epileptic syndromes, not intractable, without status epilepticus

G40.311 Generalized idiopathic epilepsy and epileptic syndromes, intractable, with status epilepticus

G40.319	Generalized idiopathic epilepsy and epileptic syndromes, intractable, without status epilepticus	G40.821	Epileptic spasms, not intractable, with status epilepticus
G40.401	Other generalized epilepsy and epileptic syndromes, not intractable, with status epilepticus	G40.822	Epileptic spasms, not intractable, without status epilepticus
G40.409	Other generalized epilepsy and epileptic syndromes, not intractable, without status epilepticus	G40.823	Epileptic spasms, intractable, with status epilepticus
G40.411	Other generalized epilepsy and epileptic syndromes, intractable, with status epilepticus	G40.824	Epileptic spasms, intractable, without status epilepticus
G40.419	Other generalized epilepsy and epileptic syndromes, intractable, without status epilepticus	G40.833	Dravet syndrome, intractable, with status epilepticus
G40.42	Cyclin-Dependent Kinase-Like 5 Deficiency Disorder	G40.834	Dravet syndrome, intractable, without status epilepticus
G40.501	Epileptic seizures related to external causes, not intractable, with status epilepticus	G40.89	Other seizures
G40.509	Epileptic seizures related to external causes, not intractable, without status epilepticus	G40.901	Epilepsy, unspecified, not intractable, with status epilepticus
G40.801	Other epilepsy, not intractable, with status epilepticus	G40.909	Epilepsy, unspecified, not intractable, without status epilepticus
G40.802	Other epilepsy, not intractable, without status epilepticus	G40.911	Epilepsy, unspecified, intractable, with status epilepticus
G40.803	Other epilepsy, intractable, with status epilepticus	G40.919	Epilepsy, unspecified, intractable, without status epilepticus
G40.804	Other epilepsy, intractable, without status epilepticus	G40.A01	Absence epileptic syndrome, not intractable, with status epilepticus
G40.811	Lennox-Gastaut syndrome, not intractable, with status epilepticus	G40.A09	Absence epileptic syndrome, not intractable, without status epilepticus
G40.812	Lennox-Gastaut syndrome, not intractable, without status epilepticus	G40.A11	Absence epileptic syndrome, intractable, with status epilepticus
G40.813	Lennox-Gastaut syndrome, intractable, with status epilepticus	G40.A19	Absence epileptic syndrome, intractable, without status epilepticus
G40.814	Lennox-Gastaut syndrome, intractable, without status epilepticus	G40.B01	Juvenile myoclonic epilepsy, not intractable, with status epilepticus
		G40.B09	Juvenile myoclonic epilepsy, not intractable, without status epilepticus
		G40B11	Juvenile myoclonic epilepsy, intractable, with status epilepticus
		G40B19	Juvenile myoclonic epilepsy, intractable, without status epilepticus

R56.00	Simple febrile convulsions
R56.01	Complex febrile convulsions
R56.1	Post-traumatic seizures
R56.9	Unspecified convulsions

Always Remember

- Verify Seizures are a current problem.
- Note the exact Seizures description.
- Follow the ICD-10 CM official coding guidelines and conventions.
- Select the correct ICD-10 CM code to the highest specificity.