

CDC Seizure or Epilepsy v1
Definition Factsheet & Technical Brief

Description: To identify visits among persons experiencing seizures or epilepsy in emergency departments and ambulatory healthcare settings. This includes capturing visits where the sole or primary reason for the visit is related to seizures or epilepsy as well as visits where symptoms associated with seizures are present (defined as coded in the discharge diagnosis or mentioned in the chief complaint text) but may not be the sole reason for the visit.

New or Revised Definition: New

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Authored by the NSSP Community of Practice.

Table 1. Inclusion and exclusion terms.

Terms	Description
<i>Inclusion</i>	
International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)	
R56	Convulsions, not elsewhere classified
G40	Epilepsy and recurrent seizures
International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM)	
780.3	Convulsions
SNOMED Concepts	
91175000	Seizure (finding)
313287004	Seizure related finding (finding)
443410001	Childhood seizure (finding)
87185006	Long atonic seizure (finding)
128613002	Seizure disorder (disorder)
4619009	Generalized-onset seizures (disorder)
246545002	Generalized onset epileptic seizure (finding)
703150000	Single seizure (finding)
230431001	Situation-related seizures (disorder)
29753000	Focal onset epileptic seizure (finding)
117891000119100	Focal onset aware epileptic seizure (finding)
128612007	Focal onset motor onset epileptic seizure (finding)
4103001	Complex partial seizure with impairment of consciousness (disorder)
79348005	Simple partial seizure, consciousness not impaired
82401000	Focal onset aware motor onset epileptic seizure (finding)

Terms	Description
33941008	Focal onset cognitive epileptic seizure (finding)
34601006	Focal onset somatosensory epileptic seizure (finding)
313307000	Epileptic seizure (finding)
84757009	Epilepsy (disorder)
Chief Complaint	
ep[ie]l[ie]psy	
ep[ie]l[ie]pt[ie]c	
s[ie][ie]zure disorder	
s[ie][ie]zur[ie]	
s[ie][ie]zing	
s[ie][ie]z[ie]d	
convulsion	
convulsed	
convulsing	
status epilepticus	
seizues	

Table 2. ESSENCE syntax.

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^[/ ]R56^,or,^[/ ]780.3^,or,^[/ ]7803[/ ]^,or,^[/ ]91175000^,or,^[/ ]313287004[/ ]^,or,^[/ ]443410001[/ ]^,or,^[/ ]87185006[/ ]^,or,^[/ ]128613002[/ ]^,or,^[/ ]4619009[/ ]^,or,^[/ ]246545002[/ ]^,or,^[/ ]703150000[/ ]^,or,^[/ ]91175000[/ ]^,or,^[/ ]230431001[/ ]^,or,^[/ ]29753000[/ ]^,or,^[/ ]4619009[/ ]^,or,^[/ ]117891000119100[/ ]^,or,^[/ ]128612007[/ ]^,or,^[/ ]4103001[/ ]^,or,^[/ ]79348005[/ ]^,or,^[/ ]82401000[/ ]^,or,^[/ ]33941008[/ ]^,or,^[/ ]34601006[/ ]^,or,^[/ ]G40^,or,^[/ ]313307000[/ ]^,or,^[/ ]84757009[/ ]^,or,^ep[ie]l[ie]psy^,or,^ep[ie]l[ie]pt[ie]c^,or,^s[ie][ie]zure disorder^,or,^s[ie][ie]zur[ie]^,or,^s[ie][ie]zing^,or,^s[ie][ie]z[ie]d^,or,^convulsion^,or,^convulsed^,or,^convulsing^,or,^status epilepticus^,or,^seizues^
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