**APPENDIX A: ICD-9-CM for epilepsy, seizures, differential diagnoses, and common comorbidities**

**Epilepsy**

- **x = 0**, without mention of intractable epilepsy
- **x = 1**, with mention of intractable epilepsy

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>345.0x</td>
<td>Generalized nonconvulsive epilepsy</td>
</tr>
<tr>
<td>345.1x</td>
<td>Generalized convulsive epilepsy</td>
</tr>
<tr>
<td>345.2</td>
<td>Petit mal status epilepticus</td>
</tr>
<tr>
<td>345.3</td>
<td>Grand mal status epilepticus</td>
</tr>
<tr>
<td>345.4x</td>
<td>Partial epilepsy, impairment of consciousness</td>
</tr>
<tr>
<td>345.5x</td>
<td>Partial epilepsy, no impairment of consciousness</td>
</tr>
<tr>
<td>345.6x</td>
<td>Infantile spasms</td>
</tr>
<tr>
<td>345.7x</td>
<td>Epilepsia partialis continua</td>
</tr>
<tr>
<td>345.8x</td>
<td>Other forms of epilepsy: cursive, gelastic</td>
</tr>
</tbody>
</table>

**Symptoms**

- Neonatal convulsions (779.0)
- Convulsions (780.3)
- Febrile convulsions (780.31)
- Other convulsions (780.39)
- Progressive myoclonic epilepsy (332.2)

**Non epileptic Seizure**

- Panic disorder (300.01)
- Conversion disorder (300.11)
- Factitious illness (300.16)
- Prolonged post-traumatic stress disorder (309.81)
- Adjustment reaction with physical symptoms (309.82)

**AED Toxicity**

- Phenytoin (966.1)
- Ethosuximide (966.2)
- Barbiturates (967.0)
- Other anticonvulsants (968.3)

**Cerebral Palsy**

- Diplegic (343.0)
- Hemiplegic (343.1)
- Quadriplegic (343.2)

**Mental Retardation**

- Mild MR, IQ 50-70 (317)
- Moderate MR, IQ 35-49 (318.0)
- Severe MR, IQ 20-40 (318.1)
- Profound MR, IQ under 20 (318.2)

**Symptoms**

- Syncope and collapse (780.2)
- Dizziness (780.4)
- Numbness (780.8)
- Coma (780.01)
- Transient alteration of awareness (780.02)
- Persistent vegetative state (780.03)
- Other alterations of consciousness (780.09)
- Hallucinations (780.1)
- Abnormal involuntary movements (781.0)
- Abnormality of gait (781.2)
- Lack of coordination (781.3)
- Transient paralysis (781.4)

**Syndromes and Conditions**

- Neurofibromatosis (237.0)
- NF type I (237.1)
- NF type II (237.2)
- Down's syndrome (758.0)
- Tuberculosis, meningitis (759.5)
- Other hamartoses, NEC (759.6)
- Congenital anomaly NOS (759.9)
- Encephalolec (742.0)
- Microcephalus (742.1)
- Acquired hydrocephalus (742.3)
- Congenital hydrocephalus (331.4)
- Unspecified brain anomaly (742.9)
- Cerebrovascular anomaly (747.81)

**Epilepsy, unspecified, NOS**

- Infantile autism (799.0)

**Headache**

- Migraine with aura (346.0)
- Migraine without aura (346.1)
- Migraine variants (346.2)
- Hemiplegic migraine (346.9)

**Head Injury / Concussion**

- No LOC (850.0)
- Brief LOC, < 1 hour (850.1)
- Moderate LOC for 1–24 hours (850.2)
- Prolonged LOC, return to pre-existing state (850.3)
- Prolonged LOC, no return pre-existing state (850.4)
- LOC of unspecified duration (850.5)

**Attention Deficit Disorder**

- ADD with hyperactivity (314.01)
- Hyperkinetic conduct disorder (314.2)

**Stroke Syndromes**

- Cerebral thrombosis (434.0)
- Cerebral embolism (434.1)
- Cerebral hemorrhage (431.0)

**CNS Infections**

- Abscess, intracerebral (324.0)
- Cysticercosis (123)
- Subacute sclerosis panencephalitis (318.4)
- Encephalitis, HSV (346.2)
- Syphilis, general paresis (303.4)
- Syphilis, meningitis (304.9)
- Toxoplasmosis, meningoencephalitis (310.4)
- Tuberculosis, meningitis (313.0)
- Tuberculosis (313.10)

**Neoplasms**

- Malignant neoplasms of brain (191.00)
- Brain, unspecified (191.9)
- Cerebral meninges (198.3)
- Brain and spinal cord (198.3)
- Metastasis, brain and spinal cord (198.3)

**Encephalopathies**

- Anoxic brain damage (348.1)
- Encephalopathy, unspecified (348.2)
- Subacute delirium (293.0)
- Acute delirium (293.1)
- Amnestic syndrome (294.0)

**Dementias**

- Alzheimer's disease (331.0)
- Senile dementia, uncomplicated (290.0)
- Arteriosclerotic dementia (290.4)

**Intoxications**

- Alcohol withdrawal delirium (291.0)
- Alcohol amnestic syndrome (291.1)
- Other alcoholic amnesia (291.2)
- Drug withdrawal syndrome (292.0)
- Drug-induced organic delusions (292.11)
- Drug-induced hallucinations (292.12)
- Drug-induced delirium (292.13)