Indiana University Health

ICD-10 Physician Education

Neuropsychology
Training Objectives

- ICD-9 to ICD-10 Comparison
- Documentation Tips
- Additional Educational Opportunities
- Questions
ICD-9 to ICD-10 Comparison

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<td>CPT, HCPCS, E&amp;M Codes</td>
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<td>Reimbursement methodology (awaiting finalization)</td>
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<td><strong>Diagnosis Code Volume</strong></td>
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### Diagnosis Code Structural Change

**ICD-9**

- Category
- Etiology, anatomic site, manifestation

**ICD-10-CM**

- Category
- Etiology, anatomic site, manifestation
- Extension

Reference: CMS
Neoplasms

• Type
  – Malignant, benign, uncertain behavior

• Detailed location(s)
  – Different, distinct locations vs overlapping sites

• Primary & Metastatic sites
  – Still active primary site
  – Previously removed/treated, in remission

• Manifestations
  – Mucositis, anemia, other
  – Link to etiology (neoplasm, chemotherapy)

C71.6 Malignant neoplasm of cerebellum
C91.01 Acute lymphoblastic leukemia, in remission
Q85.01 Neurofibromatosis, type I
Mental & Behavioral Disorders

• Depression
  – Major depressive disorder
  – Single vs recurrent episode
  – Remission

• ADHD
  – Predominately inattentive, predominately hyperactive, combined

• Amnestic disorder due to known physiological conditions

• Autism

• Conduct Disorder

F84.0  Autistic disorder
F07.81  Postconcussional syndrome
F90.1  Attention-deficit hyperactivity disorder, combined type
CNS Degeneration

- Paralysis agitans expansion
  - Parkinson’s Disease
  - Vascular Parkinsonism

- Obstructive hydrocephalus

- Tremor expansion
  - Essential
  - Drug-induced
  - Other

- Secondary Parkinsonism expansion
  - Neuroleptic induced
  - Other drug induced
  - Postencephalitic
  - Other Secondary

- Cognitive Impairment
  - Specify category

G20 Parkinson’s disease
G31.84 Mild cognitive impairment, so stated
G25.1 Drug-induced tremor
Epilepsy/Seizure

- Epilepsy *expansion*
  - Intractable vs not intractable
  - Complex Partial, Grand Mal
  - Generalized vs localized
  - Simple vs complex partial
  - Status Epilepticus

- Petit mal status *expansion*
- Seizures (other convulsions)

**G40.311** Generalized idiopathic epilepsy and epileptic syndromes, not intractable, without status epilepticus

**G40.A01** Absence epileptic syndrome, not intractable, with status epilepticus

**R56.9** Unspecified convulsions
CNS, Other Diagnoses

- Cerebral cysts
- Multiple Sclerosis
- Encephalopathy
  - Metabolic, posterior reversible, other

G93.0  Cerebral cysts
G35  Multiple sclerosis
G80.1  Spastic diplegic cerebral palsy
I67.89  Posterior reversible encephalopathy syndrome

- Cerebral Palsy
  - Type (ataxia, spastic, other)
  - Level (diplegia, hemiplegia, quadriplegia)
Cerebrovascular and Circulatory

- Cerebral Hemorrhage vs Infarction
  - Traumatic vs nontraumatic
  - Etiology
  - Artery blocked/ruptured

- Cognitive deficits

- Other late effects of CV Disease
  - Cognitive deficits following cerebrovascular disease
    - Cerebral infarction, subarachnoid hemorrhage, intracerebral hemorrhage

I60.4 Nontraumatic subarachnoid hemorrhage from left middle cerebral artery

I61.9 Nontraumatic intracerebral hemorrhage, unspecified

I69.31 Cognitive deficits following cerebral infarction
Injuries and Trauma

• Type of trauma
  – Fracture
  – Concussion

• Site & Anatomic specificity

• Coma and LOC (time)

• Episode of Care (from the patient’s perspective) new concept
  – Initial (presentation)
  – Subsequent (routine or delayed healing)
  – Sequela (late effect after initial injury/event has healed)

$S06.0X1A$ Concussion with loss of consciousness of 30 min or less, initial encounter

$S02.111A$ Type II occipital condyle fracture, initial encounter for closed fracture
Sleep

- Sleep apnea
  - Central, obstructive
- Hypoxemia
- Narcolepsy
  - With and without cataplexy

- Sleep arousal disorder expansion
  - Sleepwalking, sleep terrors
- Persistent insomnia expansion
  - Primary, paradoxical, other

G47.33 Obstructive sleep apnea (adult) (pediatric)
R09.02 Hypoxemia
G47.411 Narcolepsy with cataplexy
F51.4 Sleep terrors [night terrors]
F51.01 Primary insomnia
Other

• Documentation concepts remain the same
  – AIDS
  – Hypoxemia
  – Myasthenia Gravis
  – Elevated Prostate Antigen
  – Failure to Thrive

B20  Human immunodeficiency virus [HIV] disease
R09.02  Hypoxemia
G70.00  Myasthenia gravis without (acute) exacerbation
R97.2  Elevated prostate specific antigen [PSA]
R62.51  Failure to thrive (child)
Other, cont...

- Documentation concepts will expand in ICD-10
  - Memory loss
    - Antegrade amnesia, retrograde amnesia, other
  - Primary CMP
    - Dilated, other restrictive, other, unspecified
  - Spina Bifida
    - Level (lumbar, sacral)

- **R41.2** Retrograde amnesia
- **I42.0** Dilated cardiomyopathy
- **Q05.3** Sacral spina bifida
Other, cont...

• Documentation concepts will expand in ICD-10
  – Klinefelter’s Syndrome
    • Type (karyotype 47 XXY, male with more than two X chromosomes, other male with 46 XX karyotype)
  – Unspecified congenital anomaly of brain, spinal cord and nervous system
    • Sites broken out – brain, spinal cord, nervous system

Q98.0  Klinefelter syndrome karyotype 47 XXY
Q98.3  Other male with 46, XX karyotype
Q06.9  Congenital malformation of spinal cord, unspecified
Q04.9  Congenital malformation of brain, unspecified
Z Codes (Formerly V Codes)

- **Encounter for:**
  - Preprocedural laboratory examination
  - Other preprocedural examination
  - Screening for other disorder

- **Personal history of:**
  - Traumatic brain injury

- **Long term use of medications**
  - Specify medication

- **Acquired absence of organ(s)**

- **Post-procedural status**
  - Specify procedure (BMT)
  - Cerebrospinal fluid drainage device
Additional Educational Opportunities

• Physician/Provider Foundation training
• Specialty/Service Line meetings
• ICD-10 Website
  
  http://iuhicd10.iuhisclinicaleducation.org/
Questions

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