The information contained in this extended presentation is not intended to reflect AMA, APA, CMS (Medicare), any division of APA, NAN, NAP, NCPA (or any state psychological association), state Medicaid, WHO and/or any private third party carrier policy. Further, this information is intended to be informative and does not supersede APA or state/provincial licensing boards’ ethical guidelines and/or local, state, provincial or national regulations and/or laws. Further, Local Coverage Determination and specific health care contracts supersede the information presented. The information contained herein is meant to provide practitioners as well as health care institutions (e.g., insurance companies) involved in psychological services with the latest information available to the author regarding the issues addressed. This is a living document that can and will be revised as additional information becomes available. The ultimate responsibility of the validity, utility and application of the information contained herein lies with the individual and/or institution using this information and not with any supporting organization and/or the author of this presentation. Suggestions or changes should be directly addressed to the author. Note that whenever possible, references are provided. Finally, note that the ICD system is copyrighted and the information contained should be treated as such. ICD information is provided as a source of education to the readers of the materials contained. Thank you...aep
Acknowledgements

• Carol Goodheart, Ph.D. & Corwin Boake, Ph.D.

• Inmaculada Ibanez-Casas, Ph.D. & Zara Melikyan, Ph.D., Post-doctoral Fellows, UNCW

• Debra Court (OPTUM)

• American Psychological Association, Practice Organization

• World Health Organization
Overview

• ICD as an unified diagnostic system
• ICD coding history and significance
• ICD in the US
• ICD-10 description
• ICD-10. Chapter V: Mental and Behavioral Disorders
• Cultural issues in ICD-10
• Coding
• ICD and DSM (ICD-9, ICD-10 and DSM 5)
• Preview of ICD-11
Overview

• Introduction to ICD as an unified diagnostic system

• ICD coding history
• ICD in the US
• ICD-10 description
• ICD-10. Chapter V: Mental and Behavioral Disorders
• Cultural issues in ICD-10
• Coding
• ICD and DSM (ICD-9, ICD-10 and DSM 5)
• Preview of ICD-11
ICD: Key Facts

• Global healthcare information standard (mortality & morbidity) > 100 countries

• ~ 70% of world’s health expenditure ($3.5 billion) is based ICD
  Endorsed by 43 member nations of World Health Assembly (1990).

• Used by WHO member states since 1994

• The standard of diagnostic nomenclature

  (Goodheart, 2013; World Health Organization)
Benefits of ICD-10

• More diagnostic opportunities

• Greater level of clinical detail

• Revised descriptions of "diseases" focusing on symptoms and disorders

• Allows space for additional codes and greater specificity

• Better fit for health information technology systems aka electronic health records

(Goodheart, 2013)
Diagnostic Coding

• DSM-IV-TR/5 used by behavioral health providers for diagnostic coding

• DSM-IV-TR/5 (& ICD-9) and ICD-10 codes closely coordinated: frequent but not always direct match

• ICD-10 will be the only code permitted for billing on and after October 1, 2015

Meaning…

No ICD-10 = No reimbursement = No practice or profession
ICD-10 Limitations: “There are too many codes”

- ~ 50% of all ICD-10CM (Clinical Modification) codes are related to the *musculoskeletal system*
- ~ 25% of all ICD-10CM codes are related to *fractures*
- ~ 36% of all ICD-10CM codes are used to distinguish “*right*” vs. “*left*”
- ~ 70% of all charges are made for *only 5% of codes*

Only a very small percentage of the codes will be used by most providers.
ICD-10: Terminology: Basics

• “Disorder” vs. “disease”/“illness”

• Disease/illness – particular abnormal condition of structure/function that affects part or all organism

• Disorder - set of symptoms or behaviors associated with distress and interference with personal functions

**FOCUS IS ON DISORDERS**

**DISORDERS ARE FOCUSED ON SYMPTOMS**
ICD-10: Terminology: Basics

• Paradoxically, ICD is called International Classification of DISEASES

• “Psychogenic” not used - different meanings in different languages and psychiatric traditions

• If a external problem exists but does not affect the person or others, it is not considered a disorder and is not included
ICD-10: Terminology (Cont.)

• “Impairment”, “disability”, and “handicap” used in accordance with International Classification of Impairments, Disabilities, and Handicaps (Geneva, WHO, 1980):
  ✓ Impairment - “loss or abnormality … of structure or function”.
  ✓ Disability - “restriction or lack… of ability to perform an activity in the manner or within the range considered normal for human being”.
  ✓ Handicap - “disadvantage for an individual… that prevents or limits the performance of a role that is normal … for that individual”
ICD-10: Multiple Diagnoses

• Record as many diagnoses as necessary to cover the clinical picture

• One main or primary diagnosis and others as subsidiary/additional/secondary….

• Most relevant diagnosis goes first (often the cause of consultation/contact of health services or “life-time” diagnosis)

• If in doubt, list diagnoses in the order in which they appear in ICD

• Recording diagnoses from other than chapter V is strongly recommended
Defining Primary & Parent Codes

- Primary = Core
- Parent = Etiology of pursued code
- Suggested Order = 1. Primary code
  2. Parent code
Overview

• ICD as an unified diagnostic system

• **ICD coding history and significance**
  
  • ICD in the US
  
  • ICD-10 description
  
  • ICD-10. Chapter V: Mental and Behavioral Disorders
  
  • Cultural issues in ICD-10
  
  • Coding
  
  • ICD and DSM (ICD-9, ICD-10 and DSM 5)
  
  • Preview of ICD-11
120+ years of ICD History

1893
ICD-1
International List of Causes of Death

1909
ICD-2
International List of Causes of Sickness and Death

1929
ICD-4
Categories based on etiology

1948
ICD-6
International Classification of Diseases, Injuries and Causes of Death

1975
ICD-9
Narrative descriptions of Mental & Behavioral disorders

1990
ICD-11
Mental, Psychoneurotic and Personality Disorders

2017
ICD-10

Overview

• ICD as an unified diagnostic system
• ICD coding history and significance
• **ICD in the US**
  • ICD-10 description
  • ICD-10. Chapter V: Mental and Behavioral Disorders
  • Cultural issues in ICD-10
  • Coding
  • ICD and DSM (ICD-9, ICD-10 and DSM 5)
• Preview of ICD-11
ICD Implementation in the US

- 1979 - ICD-9-CM research and health statistics in the US
- 1983 - Reporting healthcare services for reimbursement in the US
- 2013 - US begins using ICD-9-CM
- ICD-9-CM - can not support current needs for health information
- *ICD-10-CM implementation* October 1, 2015

(Goodheart, 2013)
ICD-10-CM: General Changes and Overall Improvements (cont.)

<table>
<thead>
<tr>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADHD of childhood</td>
<td>ADHD, predominantly inattentive type</td>
</tr>
<tr>
<td>ADHD without mention of hyperactivity</td>
<td>ADHD, predominantly hyperactive type</td>
</tr>
<tr>
<td>ADHD with hyperactivity</td>
<td>ADHD, combined type</td>
</tr>
<tr>
<td></td>
<td>ADHD, other type</td>
</tr>
<tr>
<td></td>
<td>ADHD, unspecified type</td>
</tr>
</tbody>
</table>

Important to note that there is NOT a point to point correspondence between ICD-9 and ICD-10
Overview

• ICD as an unified diagnostic system
• ICD coding history and significance
• ICD in the US
• **ICD-10 description**
  • ICD-10. Chapter V: Mental and Behavioral Disorders
  • Cultural issues in ICD-10
  • Coding
  • ICD and DSM (ICD-9, ICD-10 and DSM 5)
• Preview of ICD-11
WHO Family of International Classifications

ICD-10 Interactive Self Learning Tool (http://apps.who.int/classifications/apps/icd/icd10training/)
ICD-10: Brief Overview

• ICD-10 International version
  ✓~12,500 diagnostic codes
  ✓Used for mortality reporting in the US – 1999

• ICD-10 – CM (Clinical Modification) - US version
  ✓~69,000 diagnostic codes
  ✓22 Chapters
  ✓Chapter 5 – Mental/Behavioral (F01-F99)

ICD-10 Interactive Self Learning Tool
(http://apps.who.int/classifications/apps/icd/icd10training/)
There are three volumes that comprise the ICD-10:

- Volume 1 – The Tabular List
- Volume 2 – The Instruction Manual
- Volume 3 – The Alphabetic Index
Volume 1, the Tabular List, is an alphanumeric listing of diseases, disease groups and health related problems. It contains inclusion and exclusion notes and some coding rules.

C03 Malignant neoplasm of gum
   Includes: alveolar (ridge) mucosa gingiva
   Excludes: malignant odontogenic neoplasms (C41.0–C41.1)

C03.0 Upper gum
C03.1 Lower gum
C03.9 Gum, unspecified

C04 Malignant neoplasm of floor of mouth
C04.0 Anterior floor of mouth
    Anterior to the premolar-canine junction

There are 22 chapters in the Tabular List and over 11400 four-character codes.
Vol. 2, the Instruction Manual, contains an introduction to the classification and instructions regarding how to use the classification to code death certificates, hospital medical records and other forms of health information.

**INTERNATIONAL CLASSIFICATION OF DISEASES**

3.1.2 Use of the tabular list of inclusions and four-character subcategories

*Inclusion terms*

Within the three- and four-character rubrics, there are usually listed a number of other diagnostic terms. These are known as “inclusion terms” and are given, in addition to the title, as examples of the diagnostic statements to be classified to that rubric. They may refer to different conditions or be synonyms. They are not a subclassification of the rubric.

Inclusion terms are listed primarily as a guide to the content of the rubrics. Many of the terms listed relate to important or common terms belonging to the rubric. Others are border-line conditions or sites listed to distinguish the

... guidelines for certification and rules for mortality coding (i.e., causes of death)

... guidelines for recording and coding for morbidity data (e.g., hospital statistics)
Volume 3, the Alphabetical Index, is an alphabetical list of the diseases and conditions which have codes in the Tabular List.

There are more entries in the Index than there are in the Tabular List because some diseases have more than one name and some diseases are grouped under one code.

It also contains:
- guidance on selecting the appropriate codes for many conditions not displayed in the Tabular List
- a Table of Neoplasms
- an Index of external causes of injury
- a Table of drugs and chemicals.

Chapter V
Mental and behavioural disorders
(F00-F99)

Incl.: disorders of psychological development
Excl.: symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (F00-F99)

This chapter contains the following blocks:

F00-F09 Organic, including symptomatic, mental disorders
F01-F09 Mental and behavioural disorders due to psychoactive substance use
F09-F19 Schizophrenia, schizotypal and delusional disorders
F02-F29 Mood [affective] disorders
F03-F48 Neurotic, stress-related and somatoform disorders
F04-F59 Behavioural syndromes associated with physiological disturbances and physical factors
F05-F59 Disorders of adult personality and behaviour
F07-F19 Mental retardation
F08-F90 Disorders of psychological development
F09-F99 Behavioural and emotional disorders with onset usually occurring in childhood and adolescence
F99-F99 Unspecified mental disorder

Asterisk categories for this chapter are provided as follows:

F00* Dementia in Alzheimer disease
F01* Dementia in other diseases classified elsewhere

CAUTION: A “valid” (billable) code in F chapter includes 4-6 characters including the letter
ICD-10 at a Glance: 22 Chapters

<table>
<thead>
<tr>
<th>Chapter #</th>
<th>Chapter Title</th>
<th>Alphab. code</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Certain infectious and parasitic diseases</td>
<td>A,B</td>
</tr>
<tr>
<td>II</td>
<td>Neoplasms</td>
<td>C,D</td>
</tr>
<tr>
<td>III</td>
<td>Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</td>
<td>D</td>
</tr>
<tr>
<td>IV</td>
<td>Endocrine, nutritional and metabolic diseases</td>
<td>E</td>
</tr>
<tr>
<td>V</td>
<td>Mental and behavioural disorders</td>
<td>F</td>
</tr>
<tr>
<td>VI</td>
<td>Diseases of the nervous system</td>
<td>G</td>
</tr>
<tr>
<td>VII</td>
<td>Diseases of the eye and adnexa</td>
<td>H</td>
</tr>
<tr>
<td>VIII</td>
<td>Diseases of the ear and mastoid process</td>
<td>H</td>
</tr>
<tr>
<td>IX</td>
<td>Diseases of the circulatory system</td>
<td>I</td>
</tr>
<tr>
<td>X</td>
<td>Diseases of the respiratory system</td>
<td>J</td>
</tr>
<tr>
<td>XI</td>
<td>Diseases of the digestive system</td>
<td>K</td>
</tr>
<tr>
<td>Chapter #</td>
<td>Chapter Title</td>
<td>Alphab. code</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------------------------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>XII</td>
<td>Diseases of the skin and subcutaneous tissue</td>
<td>L</td>
</tr>
<tr>
<td>XIII</td>
<td>Diseases of the musculoskeletal system and connective tissue</td>
<td>M</td>
</tr>
<tr>
<td>XIV</td>
<td>Diseases of the genitourinary system</td>
<td>N</td>
</tr>
<tr>
<td>XV</td>
<td>Pregnancy, childbirth and the puerperium</td>
<td>O</td>
</tr>
<tr>
<td>XVI</td>
<td>Certain conditions originating in the perinatal period</td>
<td>P</td>
</tr>
<tr>
<td>XVII</td>
<td>Congenital malformations, deformations and chromosomal abnormalities</td>
<td>Q</td>
</tr>
<tr>
<td>XVIII</td>
<td>Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified</td>
<td>R</td>
</tr>
<tr>
<td>XIX</td>
<td>Injury, poisoning and certain other consequences of external causes</td>
<td>S,T</td>
</tr>
<tr>
<td>XX</td>
<td>External causes of morbidity and mortality</td>
<td>V,X,Y</td>
</tr>
<tr>
<td>XXI</td>
<td>Factors influencing health status and contact with health services</td>
<td>Z</td>
</tr>
<tr>
<td>XXII</td>
<td>Codes for special purposes</td>
<td>U</td>
</tr>
</tbody>
</table>
Overview

- ICD as an unified diagnostic system
- ICD coding history and significance
- ICD in the US
- ICD-10 description
- ICD-10. Chapter V: Mental and Behavioral Disorders
  - Cultural issues in ICD-10
  - Coding
  - ICD and DSM (ICD-9, ICD-10 and DSM 5)
  - Preview of ICD-11
Introduction to Chapter V

“Mental and neurological disorders put greater disease burden than any other category, except communicable diseases.”

(WHO, 2008)
Chapter V: Mental and Behavioral Disorders

- Provides codes for mental and behavioral disorders

- Chapter uniqueness: descriptions of the disorders coded to each category that define the contents of the categories.

- Codes range: F00–F99.
Overview

• ICD as an unified diagnostic system
• ICD coding history and significance
• ICD in the US
• ICD-10 description
• ICD-10. Chapter V: Mental and Behavioral Disorders
• Cultural issues in ICD-10
  • Coding
  • ICD and DSM (ICD-9, ICD-10 and DSM 5)
• Preview of ICD-11
Cultural Issues in ICD-10

- Psychiatric diagnosis is based on cultural, social, biological and psychological factors.

- Increased interest in cultural framework of prospective diagnostic systems.

- In contrast, the presence of culture in ICD-10 is limited (vs. the DSM 5).

- List of culture-specific disorders in Diagnostic Criteria for Research but not in the CM version.

Mezzich et al., 2001
<table>
<thead>
<tr>
<th>Disorder</th>
<th>Culture</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Amok</td>
<td>Malaysian</td>
</tr>
<tr>
<td>2. Dhat</td>
<td>Indian</td>
</tr>
<tr>
<td>3. Koro</td>
<td>Indonesia, Thailand</td>
</tr>
<tr>
<td>4. Latah</td>
<td>Southeast Asia</td>
</tr>
<tr>
<td>5. Ataque de Nervios</td>
<td>Latin American Caribbean</td>
</tr>
<tr>
<td>6. Pa-leng (Frigophobia)</td>
<td>China, Southeast Asia</td>
</tr>
<tr>
<td>7. Piblokto</td>
<td>Inughuit societies living in Arctic Circles</td>
</tr>
<tr>
<td>8. Susto, Espanto</td>
<td>Latin American</td>
</tr>
<tr>
<td>9. Taijin Kyofusho</td>
<td>Japanese</td>
</tr>
<tr>
<td>10. Ufufuyane, Saka</td>
<td>Kenya, Southern Africa</td>
</tr>
<tr>
<td>11. Uqamairineq</td>
<td>Inuit</td>
</tr>
<tr>
<td>12. Windigo</td>
<td>Algonquian peoples in Atlantic coast and Great Lakes region in US and Canada</td>
</tr>
</tbody>
</table>
Culture in Regional and National Adaptations of ICD-10

Examples of attempts to articulate the international reference with local realities and needs:

- Chinese Classification of Mental Disorders
- Japanese Clinical Modification of ICD-10
- Latin American Guide for Psychiatric Disorders
- Cuban Glossary of Psychiatry
Overview

• ICD as an unified diagnostic system
• ICD coding history and significance
• ICD in the US
• ICD-10 description
• ICD-10. Chapter V: Mental and Behavioral Disorders
• Cultural issues in ICD-10

• Coding
• ICD and DSM (ICD-9, ICD-10 and DSM 5)
• Preview of ICD-11
ICD-10 Coding

CAUTION: A “valid” (billable) code in F chapter includes 4-6 characters including the letter (Except U).

ICD-10 Update. Mental and Behavioral Health ICD-10-CM Codes

Blue Cross Blue Shield of Michigan (2014)

ICD-10 Update. Mental and Behavioral Health ICD-10-CM Codes
Coding steps:

1. Determine the conditions that need to be coded

2. Use the Alphabetical Index (Vol 3) to locate the condition and allocate the code

3. Use the Tabular List (Vol 1) to check correct code assignment (e.g. inclusion note, exclusion note)

4. Use the Instruction Manual (Vol 2) for any rules regarding the selection of a particular code for reporting mortality or morbidity data

ICD-10 Interactive Self Learning Tool
(http://apps.who.int/classifications/apps/icd/icd10training/)
ICD-10 Golden Coding Rules

Golden Coding Rule Number 1

Volumes 1 and 3 must be used together to correctly find codes for each case (e.g. cause of death or diagnosis)

ICD-10 Interactive Self Learning Tool
(http://apps.who.int/classifications/apps/icd/icd10training/)
Golden Coding Rule Number 2

The special disease categories take priority over the body system categories.
ICD-10 Golden Coding Rules

Golden Coding Rule Number 3

The dagger code (†) is used as the underlying cause of death. Never use the asterisk code (*) alone if the diagnosis being coded uses the dagger and asterisk convention.

Example:
G22* = Parkinsonism in diseases classified elsewhere
G22*, A52.1† = Syphilitic Parkinsonism
Golden Coding Rule Number 4

Be cautious of the spelling of the diseases you are coding since the Tabular List uses British spelling and the Alphabetical index uses American spelling. There are cross-references in the Index to guide you to the American spelling.
# Chapter V: Mental and Behavioral Disorders

<table>
<thead>
<tr>
<th>ICD-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>F00-F99 Mental, Behavioral and Neurodevelopmental Disorders</td>
</tr>
<tr>
<td>F00-F09 Mental disorders due to known physiological conditions</td>
</tr>
<tr>
<td>F10-F19 Mental and behavioral disorders due to psychoactive substance use</td>
</tr>
<tr>
<td>F20-F29 Schizophrenia, schizotypal, delusional, and other non-mood psychotic disorders</td>
</tr>
<tr>
<td>F30-F39 Mood (affective) disorders</td>
</tr>
<tr>
<td>F40-F48 Anxiety, dissociative, stress-related, somatoform and other non-psychotic mental disorders</td>
</tr>
<tr>
<td>F50-F59 Behavioral syndromes associated with physiological disturbances and physical factors</td>
</tr>
<tr>
<td>F60-F69 Disorders of adult personality and behavior</td>
</tr>
<tr>
<td>F70-F79 Intellectual disabilities</td>
</tr>
<tr>
<td>F80-F89 Pervasive and specific developmental disorders</td>
</tr>
<tr>
<td>F90-F98 Behavioral and emotional disorders with onset usually occurring in childhood and adolescence</td>
</tr>
<tr>
<td>F99-F99 Unspecified mental disorders</td>
</tr>
</tbody>
</table>

ICD-10 Interactive Self Learning Tool
(http://apps.who.int/classifications/apps/icd/icd10training/)
Organic, including symptomatic, mental disorders (F00–F09)

F00  Dementia in Alzheimer disease
F01  Vascular dementia
F02  Dementia in other diseases classified elsewhere
F03  Unspecified dementia
F04  Organic amnesic syndrome, not induced by alcohol and other psychoactive substances
F05  Delirium, not induced by alcohol and other psychoactive substances
F06  Other mental disorders due to brain damage and dysfunction and to physical disease
F07  Personality and behavioral disorders due to brain disease, damage and dysfunction
F09  Unspecified organic or symptomatic mental disorder

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Organic, including symptomatic, mental disorders (F00–F09)

4th Characters for use with categories F00-F09:

.0 Delirium, not superimposed on dementia
.1 Delirium, superimposed on dementia
.8 Other delirium
.9 Delirium, unspecified
DSM-5 Classification

Major and Mild Neurocognitive Disorders (602)

1 step

<table>
<thead>
<tr>
<th>Disorder, condition or problem</th>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probable major neurocognitive disorder due to Alzheimer’s disease</td>
<td>294.11</td>
<td>F02.81</td>
</tr>
<tr>
<td>Code first 331.0 (G30.9) Alzheimer's disease</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Probable major neurocognitive disorder due to frontotemporal lobar degeneration</td>
<td>294.10</td>
<td>F02.80</td>
</tr>
<tr>
<td>Code first 331.19 (G31.09) frontotemporal disease</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Probable major neurocognitive disorder with Lewy bodies</td>
<td>331.9</td>
<td>G31.9</td>
</tr>
<tr>
<td>Code first 331.82 (G31.83) Lewy body disease</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Probable major vascular neurocognitive disorder</td>
<td>331.83</td>
<td>G31.84</td>
</tr>
<tr>
<td>No additional medical code for vascular disease</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major neurocognitive disorder probably due to Parkinson’s disease</td>
<td>332.0</td>
<td>G20</td>
</tr>
<tr>
<td>Code first 332.0 (G20) Parkinson’s disease</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2 step

<table>
<thead>
<tr>
<th>Disorder, condition or problem</th>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
</tr>
</thead>
<tbody>
<tr>
<td>With behavioural disturbance</td>
<td>294.11</td>
<td>F02.81</td>
</tr>
<tr>
<td>Without behavioral disturbance</td>
<td>294.10</td>
<td>F02.80</td>
</tr>
<tr>
<td>Possible major neurocognitive disorder due to Alzheimer’s disease</td>
<td>331.9</td>
<td>G31.9</td>
</tr>
<tr>
<td>Mild neurocognitive disorder due to Alzheimer’s disease</td>
<td>331.83</td>
<td>G31.84</td>
</tr>
</tbody>
</table>
DSM-5 Classification

Major and Mild Neurocognitive Disorders (602) (cont.)

1 step

<table>
<thead>
<tr>
<th>Disorder, condition or problem</th>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
<th>Disorder, condition or problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Neurocognitive disorder due to traumatic brain injury (TBI)</td>
<td>294.11</td>
<td>F02.81</td>
<td>With behavioural disturbance</td>
</tr>
<tr>
<td>Code first 907.0 late effect of intracranial injury without skull fracture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code first S06.2X96 diffuse TBI with loss of consciousness unspecified duration, sequela</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Neurocognitive disorder due to HIV infection</td>
<td>294.10</td>
<td>F02.80</td>
<td>Without behavioral disturbance</td>
</tr>
<tr>
<td>Code first 042(B20) HIV infection</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Neurocognitive disorder due to Prion disease</td>
<td>331.83</td>
<td>G31.84</td>
<td>Mild neurocognitive disorder due to Alzheimer's disease</td>
</tr>
<tr>
<td>Code first 046.79 (A81.9)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Neurocognitive disorder due to Huntington’s disease</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code first 333.4 (G10) Huntington’s disease</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Neurocognitive disorder due to another medical condition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code first the other medical condition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Neurocognitive disorder due to Multiple etiologies</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code first all the etiologies of medical conditions (except for vascular disease)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2 step
DSM-5 Classification

Major and Mild Neurocognitive Disorders (602) (cont.)

Probable major vascular neurocognitive disorder
No additional medical code for vascular disease

<table>
<thead>
<tr>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
<th>Disorder, condition or problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>290.40</td>
<td>F01.51</td>
<td>With behavioural disturbance</td>
</tr>
<tr>
<td>290.40</td>
<td>F01.50</td>
<td>With behavioural disturbance</td>
</tr>
<tr>
<td>331.9</td>
<td>G31.9</td>
<td>Possible major vascular neurocognitive disorder</td>
</tr>
<tr>
<td>331.83</td>
<td>G31.84</td>
<td>Mild vascular neurocognitive disorder</td>
</tr>
<tr>
<td>799.59</td>
<td>R41.9</td>
<td>Unspecified neurocognitive disorder</td>
</tr>
</tbody>
</table>
Mental and behavioural disorders due to psychoactive substance use  
(F10–F19)

- **F10** due to use of alcohol
- **F11** due to use of opioids
- **F12** due to use of cannabinoids
- **F13** due to use of sedatives or hypnotics
- **F14** due to use of cocaine
- **F15** due to use of other stimulants, including caffeine
- **F16** due to use of hallucinogens
- **F17** due to use of tobacco
- **F18** due to use of volatile solvents
- **F19** due to multiple drug use and use of other psychoactive substances

CAUTION: ICD-10 codes presented (CORE CODES) = NON BILLABLE

ICD-10 Online Browser  
(http://apps.who.int/classifications/icd10/browse/2015/en)
Mental and behavioural disorders due to psychoactive substance use (F10–F19)

4th Characters for use with categories F10-F19:

.0 Acute intoxication
.1 Harmful use
.2 Dependence syndrome
.3 Withdrawal state
.4 Withdrawal state with delirium
.5 Psychotic disorder
.6 Amnesic syndrome
.7 Residual and late-onset psychotic disorder
.8 Other mental and behavioural disorders
.9 Unspecified mental and behavioural disorder

CAUTION: Some 4 digits codes NOT BILLABLE (i.e. F19.1 alone)

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Schizophrenia, schizotypal and delusional disorders (F20–F29)

**F20** Schizophrenia

**F21** Schizotypal disorder

**F22** Persistent delusional disorders

**F23** Acute and transient psychotic disorders

**F24** Induced delusional disorder

**F25** Schizoaffective disorders

**F28** Other nonorganic psychotic disorders

**F29** Unspecified nonorganic psychosis

ICD-10 Online Browser (http://apps.who.int/classifications/icd10/browse/2015/en)
### DSM-5 Classification

**Schizophrenia spectrum and other psychotic disorders (87)**

<table>
<thead>
<tr>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
<th>Disorder, condition or problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>301.22</td>
<td>F21</td>
<td>Schizotypal personality disorder</td>
</tr>
<tr>
<td>297.1</td>
<td>F22</td>
<td>Delusional disorder</td>
</tr>
<tr>
<td>298.8</td>
<td>F23</td>
<td>Brief psychotic disorder</td>
</tr>
<tr>
<td>295.40</td>
<td>F20.81</td>
<td>Schizophreniform disorder</td>
</tr>
<tr>
<td>295.90</td>
<td>F20.9</td>
<td>Schizophrenia</td>
</tr>
<tr>
<td>295.70</td>
<td>F25.0</td>
<td>Schizoaffective disorder, bipolar type</td>
</tr>
<tr>
<td>295.70</td>
<td>F25.1</td>
<td>Schizoaffective disorder, depressive type</td>
</tr>
<tr>
<td>293.81</td>
<td>F06.2</td>
<td>Psychotic disorder due to another medical condition, with delusions</td>
</tr>
<tr>
<td>293.82</td>
<td>F06.0</td>
<td>Psychotic disorder due to another medical condition, with hallucinations</td>
</tr>
<tr>
<td>293.89</td>
<td>F06.1</td>
<td>Catatonia associated with another mental disorder</td>
</tr>
<tr>
<td>293.89</td>
<td>F06.1</td>
<td>Catatonic disorder due to another medical condition</td>
</tr>
<tr>
<td>293.89</td>
<td>F06.1</td>
<td>Unspecified catatonia</td>
</tr>
<tr>
<td>298.8</td>
<td>F28</td>
<td>Other specified schizophrenia spectrum and other psychotic disorder</td>
</tr>
<tr>
<td>298.9</td>
<td>F29</td>
<td>Unspecified schizophrenia spectrum and other psychotic disorder</td>
</tr>
</tbody>
</table>
Mood [affective] disorders (F30–F39)

F30  Manic episode
F31  Bipolar affective disorder
F32  Depressive episode
F33  Recurrent depressive disorder
F34  Persistent mood [affective] disorders
F38  Other mood [affective] disorders
F39  Unspecified mood [affective] disorder
# DSM-5 Classification

<table>
<thead>
<tr>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
<th>Disorder, condition or problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>296. _ _</td>
<td>F31. _ _</td>
<td>Bipolar I disorder</td>
</tr>
<tr>
<td>296. _ _</td>
<td>F32. _ _</td>
<td>Depressive disorders</td>
</tr>
</tbody>
</table>
Neurotic, stress-related and somatoform disorders (F40–F48)

- **F40** Phobic anxiety disorders
- **F41** Other anxiety disorders
- **F42** Obsessive-compulsive disorder
- **F43** Reaction to severe stress, and adjustment disorders
- **F44** Dissociative [conversion] disorders
- **F45** Somatoform disorders
- **F48** Other neurotic disorders

**CAUTION:** PTSD code F43.1 NOT BILLABLE

**Valid code F43.10 (Found in DSM-5)**
## DSM-5 Classification

### Anxiety disorders

<table>
<thead>
<tr>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
<th>Disorder, condition or problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>309.21</td>
<td>F93.0</td>
<td>Separation anxiety disorder</td>
</tr>
<tr>
<td>312.23</td>
<td>F94.0</td>
<td>Selective mutism</td>
</tr>
<tr>
<td>300.29</td>
<td>F40.2xx</td>
<td>Specific phobia (e.g. animal, natural environment, etc.)</td>
</tr>
<tr>
<td>300.23</td>
<td>F40.10</td>
<td>Social anxiety disorder</td>
</tr>
<tr>
<td>300.01</td>
<td>F41.0</td>
<td>Panic disorder</td>
</tr>
<tr>
<td>300.22</td>
<td>F40.00</td>
<td>Agoraphobia</td>
</tr>
<tr>
<td>300.02</td>
<td>F41.1</td>
<td>Generalized anxiety disorder</td>
</tr>
<tr>
<td>293.84</td>
<td>F06.4</td>
<td>Anxiety disorder due to another medical condition</td>
</tr>
<tr>
<td>300.09</td>
<td>F41.8</td>
<td>Other specified anxiety disorder</td>
</tr>
<tr>
<td>300.00</td>
<td>F41.9</td>
<td>Unspecified anxiety disorder</td>
</tr>
</tbody>
</table>

**CAUTION:** All specific phobia codes need 6 digits to be billable

**16 valid specific phobia codes, DSM-5 only 8**
Behavioural syndromes associated with physiological disturbances and physical factors (F50–F59)

F50  Eating disorders
F51  Nonorganic sleep disorders
F52  Sexual dysfunction, not caused by organic disorder or disease
F53  Mental and behavioral disorders associated with the puerperium, not elsewhere classified
F54  Psychological and behavioral factors associated with disorders or diseases classified elsewhere
F55  Abuse of non-dependence-producing substances
F59  Unspecified behavioral syndromes associated with physiological disturbances and physical factors

CAUTION: DSM-5 does not include F53.
In mood disorders, document if peripartum onset

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Disorders of adult personality and behaviour (F60–F69)

F60  Specific personality disorders
F61  Mixed and other personality disorders
F62  Enduring personality changes, not attributable to brain damage and disease
F63  Habit and impulse disorders
F64  Gender identity disorders
F65  Disorders of sexual preference
F66  Psychological and behavioural disorders associated with sexual development and orientation
F68  Other disorders of adult personality and behaviour
F69  Unspecified disorder of adult personality and behaviour


# DSM-5 Classification

## Personality disorders

<table>
<thead>
<tr>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
<th>Disorder, condition or problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cluster A personality disorders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>301.0</td>
<td>F60.0</td>
<td>Paranoid personality disorder</td>
</tr>
<tr>
<td>301.20</td>
<td>F60.1</td>
<td>Schizoid personality disorder</td>
</tr>
<tr>
<td>301.22</td>
<td>F21</td>
<td>Schizotypal personality disorder</td>
</tr>
<tr>
<td>Cluster B personality disorders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>301.7</td>
<td>F60.2</td>
<td>Antisocial personality disorder</td>
</tr>
<tr>
<td>301.83</td>
<td>F60.3</td>
<td>Borderline personality disorder</td>
</tr>
<tr>
<td>301.50</td>
<td>F60.4</td>
<td>Histrionic personality disorder</td>
</tr>
<tr>
<td>301.81</td>
<td>F60.81</td>
<td>Narcissistic personality disorder</td>
</tr>
<tr>
<td>Cluster C personality disorders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>301.82</td>
<td>F60.6</td>
<td>Avoidant personality disorder</td>
</tr>
<tr>
<td>301.6</td>
<td>F60.7</td>
<td>Dependent personality disorder</td>
</tr>
<tr>
<td>301.4</td>
<td>F60.5</td>
<td>Obsessive-compulsive personality disorder</td>
</tr>
<tr>
<td>Other personality disorders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>310.1</td>
<td>F07.0</td>
<td>Personality change due to another medical condition</td>
</tr>
<tr>
<td>301.89</td>
<td>F60.89</td>
<td>Other specified personality disorder</td>
</tr>
<tr>
<td>301.9</td>
<td>F60.9</td>
<td>Unspecified personality disorder</td>
</tr>
</tbody>
</table>
Mental retardation
(F70–F79)

F70  Mild mental retardation
F71  Moderate mental retardation
F72  Severe mental retardation
F73  Profound mental retardation
F78  Other mental retardation
F79  Unspecified mental retardation

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Mental retardation (F70–F79)

4th Characters for use with categories F70-F79:

.0 No, or minimal, impairment of behaviour
.1 Significant impairment of behaviour requiring attention or treatment
.2 Other impairments of behaviour
.3 Without mention of impairment of behaviour

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Disorders of psychological development (F80–F89)

F80  Specific developmental disorders of speech and language
F81  Specific developmental disorders of scholastic skills
F82  Specific developmental disorder of motor function
F83  Mixed specific developmental disorders
F84  Pervasive developmental disorders
F88  Other disorders of psychological development
F89  Unspecified disorder of psychological development

CAUTION: DSM-5 does not include Asperger’s as independent diagnosis Under Autism Spectrum Disorders

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence (F90–F98)

F90   Hyperkinetic disorders
F91   Conduct disorders
F92   Mixed disorders of conduct and emotions
F93   Emotional disorders with onset specific to childhood
F94   Disorders of social functioning with onset specific to childhood and adolescence
F95   Tic disorders
F98   Other behavioural and emotional disorders with onset usually occurring in childhood and adolescence

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
# DSM-5 Classification

## Neurodevelopmental disorders

<table>
<thead>
<tr>
<th>ICD-9-CM</th>
<th>ICD-10-CM</th>
<th>Disorder, condition or problem</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Intellectual disabilities</td>
</tr>
<tr>
<td>319</td>
<td>F70</td>
<td>Intellectual disability, mild</td>
</tr>
<tr>
<td>319</td>
<td>F71</td>
<td>Intellectual disability, moderate</td>
</tr>
<tr>
<td>319</td>
<td>F72</td>
<td>Intellectual disability, severe</td>
</tr>
<tr>
<td>319</td>
<td>F73</td>
<td>Intellectual disability, profound</td>
</tr>
<tr>
<td>315.8</td>
<td>F88</td>
<td>Global developmental delay</td>
</tr>
<tr>
<td>319</td>
<td>F79</td>
<td>Unspecified intellectual disability</td>
</tr>
</tbody>
</table>

Communication disorders

- Autism spectrum disorder
- Attention-deficit/hyperactivity disorder
- Specific learning disorder

Motor disorders

Other neurodevelopmental disorders
Unspecified mental disorder (F99)

**F99**   Mental disorder, not otherwise specified

*Incl.*: Mental illness NOS

*Excl.*: organic mental disorder NOS (F06.9)

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Frequent Mental Health Diagnoses:
General

✓ Anxiety disorders
✓ Autism spectrum disorders
✓ Mood related disorders
✓ Schizophrenia

• Number and type of new concepts not foreign to clinicians
Most Frequent Diagnoses: Medicare-Medicaid

<table>
<thead>
<tr>
<th>Disorder</th>
<th>ICD-10 category/code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depressive episode</td>
<td>F32</td>
</tr>
<tr>
<td>Severe depressive episode without psychotic symptoms</td>
<td>F32.2</td>
</tr>
<tr>
<td>Dementia in Alzheimer disease</td>
<td>F00*</td>
</tr>
<tr>
<td>Phobic anxiety disorders/other anxiety disorders</td>
<td>F40/F41</td>
</tr>
<tr>
<td>Schizophrenia</td>
<td>F20</td>
</tr>
<tr>
<td>Bipolar affective disorder</td>
<td>F31</td>
</tr>
<tr>
<td>ADHD</td>
<td>F90.9</td>
</tr>
<tr>
<td>Specific personality disorders</td>
<td>F60</td>
</tr>
<tr>
<td>Reaction to severe stress and adjustment disorders/PTSD</td>
<td>F43/F43.1</td>
</tr>
</tbody>
</table>

* next to a code means that etiology code precedes that code

CAUTION: Core codes non billable. At least 4 digits
### Top 10 Most Frequently Reported Diagnosis Codes: BC/BS

<table>
<thead>
<tr>
<th>Disorders</th>
<th>ICD-10-CM codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dysthymic disorder</td>
<td>F34.1</td>
</tr>
<tr>
<td>Major depressive disorder, recurrent, moderate</td>
<td>F33.1</td>
</tr>
<tr>
<td>Major depressive disorder, recurrent severe without psychotic features</td>
<td>F33.2</td>
</tr>
<tr>
<td>Major depressive disorder, recurrent, in remission, unspecified</td>
<td>F33.40</td>
</tr>
<tr>
<td>Major depressive disorder, recurrent, unspecified</td>
<td>F33.9</td>
</tr>
<tr>
<td>Generalized anxiety disorder</td>
<td>F41.1</td>
</tr>
<tr>
<td>Anxiety disorder, unspecified</td>
<td>F41.9</td>
</tr>
<tr>
<td>ADHD predominantly inattentive type</td>
<td>F90.0</td>
</tr>
<tr>
<td>Adjustment disorder with depressed mood</td>
<td>F43.21</td>
</tr>
<tr>
<td>Major depressive disorder single episode, unspecified</td>
<td>F32.9</td>
</tr>
</tbody>
</table>
Overview

• ICD as an unified diagnostic system
• ICD coding history and significance
• ICD in the US
• ICD-10 description
• ICD-10. Chapter V: Mental and Behavioral Disorders
• Cultural issues in ICD-10
• Coding
• ICD and DSM (ICD-9, ICD-10 and DSM 5)
• Preview of ICD-11
## ICD and DSM

<table>
<thead>
<tr>
<th><strong>ICD</strong></th>
<th><strong>DSM</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Developed by global UN agency</td>
<td>Developed by a single national association</td>
</tr>
<tr>
<td>Free open resource for public health benefit</td>
<td>Provides large portion of ApA revenue</td>
</tr>
<tr>
<td>For countries/service providers</td>
<td>For (U.S.) behavioral health providers</td>
</tr>
<tr>
<td>Global, multidisciplinary, multilingual</td>
<td>U.S. Anglophone perspective</td>
</tr>
<tr>
<td>Approved by World Health Assembly</td>
<td>Approved by ApA board of trustees</td>
</tr>
<tr>
<td>Covers <em>all health</em> conditions</td>
<td>Covers only mental disorders</td>
</tr>
</tbody>
</table>

(Goodheart, 2013; Reed, 2013)
Interfacing of DSM & ICD

• Recall that the DSM is essentially the “borrowed” codes from ICD; DSM = descriptors of code #

• Use parallel diagnostic system to the ICD in U.S. possible due to harmonization efforts

• Few differences between ICD-9-CM and DSM-IV due to efforts to make them consistent

• DSM-5 attempts to closely parallel ICD-10-CM

• DSM has to bridge ICD-9-CM, ICD-10-CM, ICD-11 (adapted from Goodheart, 2013)
→ DSM-V contains ICD-9-CM and ICD-10-CM codes

_existence of one diagnostic code is assigned:

E.g. Schizophrenia 295.90 (F20.9)

_existence of two diagnostic codes are assigned:

E.g. 295.70 (F25.0) Bipolar type
295.70 (F25.1) Depressive type
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Generalized anxiety disorder</td>
<td>300.02</td>
<td>Generalized anxiety disorder</td>
<td>F41.1</td>
<td>Generalized anxiety disorder</td>
</tr>
<tr>
<td>Panic disorder without agoraphobia</td>
<td>300.01</td>
<td>Panic disorder without agoraphobia</td>
<td>F41.0</td>
<td>Panic disorder</td>
</tr>
<tr>
<td>Panic disorder with agoraphobia</td>
<td>300.21 + 300.22</td>
<td>Agoraphobia with panic disorder</td>
<td>F40.01</td>
<td>Agoraphobia with panic disorder</td>
</tr>
<tr>
<td>Persistent depressive disorder (dysthymia)</td>
<td>300.4</td>
<td>Dysthymic disorder</td>
<td>F34.1</td>
<td>Dysthymic disorder</td>
</tr>
<tr>
<td>Schizophrenia, catatonic type</td>
<td>295.90 + A293.89</td>
<td>Catatonic type schizophrenia unspecified</td>
<td>F20.9 + F06.1</td>
<td>Catatonic schizophrenia</td>
</tr>
<tr>
<td>Bipolar I disorder, current or most recent episode manic</td>
<td>296.00</td>
<td>Bipolar I disorder single manic episode unspecified</td>
<td>F31.1x</td>
<td>Manic episode without psychotic symptoms, unspecified</td>
</tr>
<tr>
<td>Specific Learning disorder with impairment in reading</td>
<td>315.00</td>
<td>Developmental reading disorder unspecified</td>
<td>F81.0</td>
<td>Specific reading disorder</td>
</tr>
<tr>
<td>Dementia of Alzheimer's type with early onset, uncomplicated</td>
<td>290.10</td>
<td>Presenile dementia uncomplicated</td>
<td>G30.9 + F02.80</td>
<td>Unspecified dementia without behavioral disturbance</td>
</tr>
</tbody>
</table>

¹ in use through September 30, 2015
² in use starting October 1, 2015
ICD-10, ICD-9, DSM Coding Structure

Sample 1: Depression

F33.2

F=Mental and Behavioral Disorders
F30-39=Mood (affective) disorders
F33=Recurrent Depressive Disorder
F33.2=Recurrent Depressive Disorder, current episode severe, without psychotic symptoms

ICD-9-CM: 296.3 Major depressive disorder, recurrent episode

DSM-5 codes: 296.33 Major depressive disorder, recurrent, severe without psychotic features

(Goodheart, 2013)
ICD-10, ICD-9, DSM Coding Structure

Sample 2: Anxiety

F40.01

F=Mental and Behavioral Disorders
F40-F48=Anxiety, dissociative, stress-related, somatoform
F40=Phobic Anxiety Disorders
F40.0=Agoraphobia
F40.01=Agoraphobia with panic disorder

ICD-9-CM/DSM-IV code: 300.21 Agoraphobia with panic disorder

DSM-5: no category combines agoraphobia and panic

CAUTION: no single code in DSM-5 combines Agoraphobia and Panic. Document both when present

(Goodheart, 2013)
DSM Vs. ICD

- ICD is a Diagnostic System
- DSM is a Descriptive System
Overview

• ICD as an unified diagnostic system
• ICD coding history and significance
• ICD in the US
• ICD-10 description
• ICD-10. ICD-10. Chapter V: Mental and Behavioral Disorders
• Cultural issues in ICD-10
• Coding
• ICD and DSM (ICD-9, ICD-10 and DSM 5)

• Preview of ICD-11
ICD-11 Changes Overview

• Priorities: clinical utility & global applicability
• 2017 World Health Assembly (WHA) adoption
• Public revision of ICD-11 contents in May 2016
• Regular (maybe yearly) updates
• Greater number of diagnostic categories, less hierarchical structure, more clinically intuitive
• New chapters on sleep disorders and sexual health
• “Mental retardation” -> Intellectual developmental disorders
• Personality disorders: severity, codification of prominent features instead of diagnostic entities.

(Adapted from Goodheart, 2013)
ICD-11: Involvement of Psychology

• Psychologists are more involved in ICD-11 than in other ICD revisions; Geoffrey Reed, Ph.D. (chair) & Pierre Ritchie, Ph.D. (board), Ann Watts, Ph.D (board)

• Mental and Behavioral Disorders (MBD) chapter revised with significant contribution from APA and International Union of Psychological Science

• APA will recommend the use of ICD-11 instead of DSM-5 (Suzanne Bennet-Johnson said)

(Goodheart, 2013)
ICD-11 or DSM-5

- DSM-5 = High cost; ICD-11 = free of charge.

- ICD-11 covers all health areas. Useful, Psychology is a Health Profession.

- ICD-11 culturally adapted: Spanish and English versions developed initially. Many others will follow.

- DSM-5/ICD-11 Compatibility desirable but not going to happen (against ApA´s economic interests)
ICD-11 Beta Draft

http://apps.who.int/classifications/icd11/browse/f/en
IMPORTANT:
RARE GLIMPSE INTO ICD 11 UNCOVERED

Due to unanticipated shortage of ICD-10 codes, ICD-11 has been placed on an accelerated release schedule. Major changes include the substitution of emojis for the current alphanumerical system. (See examples below.)

- **Electrocution injury to right bicep due to use of electrical appliance in bathtub, initial encounter**
- **Paper cut to left hand secondary to envelope stuffing at place of business, recurrent**
- **Gunshot wound to right foot received in a bar at night, requiring surgical intervention and blood products, resulting in loss of ambulation**
- **Spacecraft collision injuring occupant, subsequent encounter** (ICD-10 equivalent: V95.43XS)
- **Fingernail injury incurred during fall while wearing heels at a bikini car wash, initial encounter**
- **Bitten by pig, initial encounter** (ICD-10 equivalent: W55.41XA)
Practical Steps: #1

• Download the PDF version of ICD-10-CM codes free of charge from here: http://www.cdc.gov/nchs/icd/icd10cm.htm

• Identify the ICD-9-CM/DSM 5 most commonly used diagnostic codes.

• Find Cross-walked ICD-10 codes

• Note that this link is NOT a browser and therefore the search will be manual

Adapted from American Psychological Association Practice Organization. *Good Practice*, Spring/Summer 2015
Practical Steps: #2

• < 09.30.15: Submit all claims for services provided before Sept. 30, 2015 using ICD-9-CM or DSM 5 codes

• > 09.30.15: On and after October 1, 2015 use only ICD-10-CM codes
Practical Steps: #3

• Submit few quick return claims at the beginning of October and follow the EOBs closely

• Do not expect that the DXs that have been reimbursed for will be reimbursed again

• Non-F codes may not be reimbursed though some LCD have listed other codes

• Consider contacting major carrier about the preceding

• Share the information as to patterns of reimbursement
## Practical Steps: #4
(examples for neuropsych - note some are F and others are R codes)

<table>
<thead>
<tr>
<th>ICD-9</th>
<th>Descript.</th>
<th>ICD-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>290.10</td>
<td>Unspecified Dementia</td>
<td>F03.90</td>
</tr>
<tr>
<td>780.83</td>
<td>Retrograde amnesia</td>
<td>R41.2</td>
</tr>
<tr>
<td></td>
<td>Other amnesia</td>
<td>R41.2</td>
</tr>
</tbody>
</table>
ICD X CPT Formulary

• Formulary - Third party payors (e.g., Medicare) will have a **CPT (procedural code) X ICD (diagnostic code)** that will be the basis of:

  ✓ Medical Necessity

  ✓ Reimbursement

• Medicare - Each Medicare carrier will establish and publish on their website

• Private Payors - Each carrier will establish and NOT publish in their website (trial and error)
Billing Vs. Working Diagnosis

- Bill for the Dx being pursued

- The initial or working diagnosis then establishes the medical necessity for subsequent assessments and interventions

- It is new diagnosis that is used (e.g., Patient is referred for depression but evaluation discovered for dementia), bill for depression for the first visit, but use dementia from that point forward
Diagnosing: Order & Number

- First Diagnosis: Primary

- Second Diagnosis: Next most important, and so on…

- Total # of Diagnoses: All conditions present, including those diagnosed by you and those diagnosed by other qualified health providers
Diagnosing: Assessment Vs. Treatment

• Assessment: Per previous slide, primary as discovered, then secondary and all other diagnoses

• Treatment: Per previous slide and as above but the diagnosis must match the treatment

NOTE: Primary DX in each case will determine whether the claim is “medical” or “behavioral”.
HCFA 1500

- Number of places for DX has gone from 6 to 12.
- Primary code and, if appropriate or necessary, the parent code following
- Current version is v02/12
- Includes an ICD Indicator in Field 21
- Use “9” for filing a claim with ICD-9 Codes (before 9/30/15)
- Use “0” for filing a claim with ICD-10 Codes (on and after 10/1/15)
To be Determined

• Core codes, more than three, or full seven digits? How deep do you for billing and for reports?
• Besides Chapter 5 (F), what other chapters can and should be used?
• What about the use of non-F codes for neuropsychological and health psychology situations?
• What about parent codes?
• Some traditional DXs may not be present or covered (G31.84 or MCI)

BOTTOM LINE: FORMULARY OF CPT X ICD

ICD-10-CM is the standard for billing

Valid codes can be 3-7 digits:
F = 3-7 digits;
S = 7 digits
Local Coverage Determinations (LCDs)

- Contractor Index

- State Index

- Alphabetical Index
Carrier Examples

• NOVITAS:

• CIGNA:
  https://cignaforhcp.cigna.com/public/content/pdf/coveragePolicies/medical/mm_0258_coveragepositioncriteria_neuropsychological_testing.pdf

• AETNA:
  http://www.aetna.com/cpb/medical/data/100_199/0158.html

(NOTE: Neuropsychological testing is covered for the following types of diagnosis- F; NP testing is covered for F, G as well as some I, Q, R and S codes.)
Useful Resources

WHO ICD-10 Description:
http://www.who.int/classifications/icd/en/

WHO “Bluebook”:

ICD-10 Browser:
http://apps.who.int/classifications/icd10/browse/2015/en

ICD-10 Interactive Self Learning Tool:
http://apps.who.int/classifications/apps/icd/icd10training/

ICD-10 Online Support:
https://sites.google.com/site/icd10onlinetraining/

Transition to the ICD-10-CM, APA Practice Central:
http://www.apapracticecentral.org/update/2012/02-09/transition.aspx

ICD-10 Code Transition, Magellan Healthcare:

National Council for Behavioral Health:
http://www.thenationalcouncil.org/topics/coding-behavioral-health-services/

Centers for Medicare and Medicaid Services:
http://www.cms.gov/Medicare/Coding/ICD10/ProviderResources.html
Useful Resources (Cont.)

CMS Road to 10
http://www.roadto10.org/
http://www.roadto10.org/webcasts/

AAPC ICD-10 Training:
https://www.aapc.com/icd-10/training.aspx

ICD-10-CM/PCS Basics for Clinical Documentation Improvement, American Health Information Management Association Library,

ICD-10 and DSM-5 Frequently Asked Questions, Minnesota Department of Human Services:

Understanding ICD-10-CM and DSM-5, American Psychiatric Association:
https://www.appi.org/File%20Library/Products/APP_DSM5_Resources_Understanding_ICD.pdf

Understanding ICD-10:

Understanding the ICD-10 The Clinician’s Toolbox:

DSM-5 to ICD-9 Crosswalk, Alliance Behavioral Healthcare:

DSM-5 and ICD-10 Resources, Optum:
Useful Resources (Cont.)

ICD 9/10 Crosswalk:

http://ncmmis.ncdhhs.gov/icdxwalk.asp

http://icd10cmcode.com


ICD 9/10 Conversion:

http://www.icd10data.com

DSM-V:

http://eahec.ecu.edu/brochures/e43633.pdf

Medical billing and coding ICD-10:
http://www.encoderpro.com/epro/
Useful Links

American Psychological Association
(Members only through my.apa.org login)

ICD10Data.com

UnitedHealthcare

ICDNavigator

athenahealth
Useful Apps

iOS & Android

MTBC ICD 9-10
Codes by Specialty

DxCodeMapper
Detailed descriptions of codes

Quick ICD 10
Simple conversion, no details

iOS Only

ICD10 Consult
Ideal for Physicians
Useful Apps

iOS
- ICD-10 HCPCS ICD-9
- ICD-10 On the Go Medical Codes
- ICD-10 Free
- ICD-10 Codes Free

Android
- ICD-10 & ICD-9 Code Reference
- ICD-10
- ICD-10 Navigator
- ICD-10: Codes of Diseases
ICD 10 Primer: Carol Goodheart

• A Primer for ICD-10-CM Users: Psychological and Behavioral Conditions Cover of A Primer for ICD-10-CM Users

• List Price: $19.95

• American Psychological Association

• Member/Affiliate Price: $14.95

• Pages: 171

• Item #: 4317336

• ISBN: 978-1-4338-1709-0

• Copyright: 2014
Antonio E. Puente, Ph.D.
University of North Carolina Wilmington
antonioenriquepuente@gmail.com

Thank you
# Chapter VI: Diseases of the Nervous System

<table>
<thead>
<tr>
<th>ICD-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>G00-G99 Mental, Behavioral and Neurodevelopmental Disorders</td>
</tr>
<tr>
<td>G00-G09 Inflammatory diseases of the central nervous system</td>
</tr>
<tr>
<td>G10-G14 Systemic atrophies primarily affecting the central nervous system</td>
</tr>
<tr>
<td>G20-G26 Extrapyramidal and movement disorders</td>
</tr>
<tr>
<td>G30-G32 Other degenerative diseases of the nervous system</td>
</tr>
<tr>
<td>G35-G37 Demyelinating diseases of the central nervous system</td>
</tr>
<tr>
<td>G40-G47 Episodic and paroxysmal disorders</td>
</tr>
<tr>
<td>G50-G59 Nerve, nerve root and plexus disorders</td>
</tr>
<tr>
<td>G60-G64 Polyneuropathies and other disorders of the peripheral nervous system</td>
</tr>
<tr>
<td>G70-G73 Diseases of myoneural junction and muscle</td>
</tr>
<tr>
<td>G80-G83 Cerebral palsy and other paralytic syndromes</td>
</tr>
<tr>
<td>G90-G99 Other disorders of the nervous system</td>
</tr>
</tbody>
</table>
Inflammatory diseases of the central nervous system (G00-G09)

- **G00**  Bacterial meningitis, not elsewhere classified
- **G01**  Meningitis in bacterial diseases classified elsewhere
- **G02**  Meningitis in other infectious and parasitic diseases classified elsewhere
- **G03**  Meningitis due to other and unspecified causes
- **G04**  Encephalitis, myelitis and encephalomyelitis
- **G05**  Encephalitis, myelitis and encephalomyelitis in diseases classified elsewhere
- **G06**  Intracranial and intraspinal abscess and granuloma
- **G07**  Intracranial and intraspinal abscess and granuloma in diseases classified elsewhere
- **G08**  Intracranial and intraspinal phlebitis and thrombophlebitis
- **G09**  Sequelae of inflammatory diseases of central nervous system

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Systemic atrophies primarily affecting the central nervous system (G10-G14)

G10  Huntington disease
G11  Hereditary ataxia
G12  Spinal muscular atrophy and related syndromes
G13  Systemic atrophies primarily affecting central nervous system in diseases classified elsewhere
G14  Postpolio syndrome
Extrapyramidal and movement disorders (G20-G26)

G20 Parkinson disease
G21 Secondary parkinsonism
G22 Parkinsonism in diseases classified elsewhere
G23 Other degenerative diseases of basal ganglia
G24 Dystonia
G25 Other extrapyramidal and movement disorders
G26 Extrapyramidal and movement disorders in diseases classified elsewhere
Demyelinating diseases of the central nervous system (G35-G37)

G35  Multiple sclerosis
G36  Other acute disseminated demyelination
G37  Other demyelinating diseases of central nervous system
Episodic and paroxysmal disorders (G40-G47)

- **G40** Epilepsy
- **G41** Status epilepticus
- **G43** Migraine
- **G44** Other headache syndromes
- **G45** Transient cerebral ischaemic attacks and related syndromes
- **G46** Vascular syndromes of brain in cerebrovascular diseases
- **G47** Sleep disorders

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Nerve, nerve root and plexus disorders (G50-G59)

G50 Disorders of trigeminal nerve
G51 Facial nerve disorders
G52 Disorders of other cranial nerves
G53 Cranial nerve disorders in diseases classified elsewhere
G54 Nerve root and plexus disorders
G55 Nerve root and plexus compressions in diseases classified elsewhere
G56 Mononeuropathies of upper limb
G57 Mononeuropathies of lower limb
G58 Other Mononeuropathies
G59 Mononeuropathies in diseases classified elsewhere

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Polyneuropathies and other disorders of the peripheral nervous system (G60-G64)

G60  Hereditary and idiopathic neuropathy
G61  Inflammatory polyneuropathy
G62  Other polyneuropathies
G63  Polyneuropathy in diseases classified elsewhere
G64  Other disorders of peripheral nervous system
Diseases of myoneural junction and muscle (G70-G73)

G70  Myasthenia gravis and other myoneural disorders
G71  Primary disorders of muscles
G72  Other myopathies
G73  Disorders of myoneural junction and muscle in diseases classified elsewhere
Cerebral palsy and other paralytic syndromes (G80-G83)

G80  Cerebral palsy

G81  Hemiplegia

G82  Paraplegia and tetraplegia

G83  Other paralytic syndromes

ICD-10 Online Browser
(http://apps.who.int/classifications/icd10/browse/2015/en)
Other disorders of the nervous system (G90-G99)

G90  Disorders of autonomic nervous system
G91  Hydrocephalus
G92  Toxic encephalopathy
G93  Other disorders of brain
G94  Other disorders of brain in diseases classified elsewhere
G95  Other diseases of spinal cord
G96  Other disorders of central nervous system
G97  Postprocedural disorders of nervous system, not elsewhere classified
G98  Other disorders of nervous system, not elsewhere classified
G99  Other disorders of nervous system in diseases classified elsewhere