ICD-10

An Introduction

ICD-10 Worldwide

- Other countries have been using ICD-10 for many years.
- Coding professionals there were better prepared with:
  - Human Anatomy and Physiology
  - Understanding of disease process
  - Familiarity with treatments
- The above points help the coding professional better recognize and identify weaknesses in documentation required with the specificity of the new system.

Comparison

ICD-10

- **3-7 Alphanumeric**
- **~68,000**

ICD-9

- **3-5 Numeric (+V and E codes)**
- **~13,500**

Resulting in…

- An unabridged ICD-9 to ICD-10 mapping
  - Each ICD-9 code is linked to more than one ICD-10 code
  - Each ICD-10 code is more specific

General Equivalency Mapping

GEMs

Equal Mapping

ICD-10

- A02.21

Salmonella meningitis

- C92.01

Acute myeloid leukemia,
in remission

ICD-9

- 003.21

Salmonella meningitis

- 205.01

Myeloid leukemia, acute,
in remission

Unequal Mapping

ICD-10 (State of Pregnancy)

- O26.851

Spotting complicating pregnancy, first trimester

- O26.852

Spotting complicating pregnancy, second trimester

- O26.853

Spotting complicating pregnancy, third trimester

ICD-9 (Episode of care)

- 649.50

Spotting complicating pregnancy, unspecified episode of care

- 649.51

Spotting complicating pregnancy, delivered

- 649.53

Spotting complicating pregnancy, antepartum

One ICD-9 maps to multiple ICD-10

82002 Fracture of midcervical section of femur, closed

- From S72031A Displaced midcervical fracture of right femur, initial encounter for closed fracture
- From S72031G Displaced midcervical fracture of right femur, subsequent encounter for closed fracture with delayed healing
- From S72032A Displaced midcervical fracture of left femur, initial encounter for closed fracture
- From S72032G Displaced midcervical fracture of left femur, subsequent encounter for closed fracture with delayed healing
- *And other codes from the GEMs*

One ICD-10 maps to multiple ICD-9

- E11341 Type 2 diabetes mellitus with severe non-proliferative diabetic retinopathy with macular edema
  - 25050 Diabetes with ophthalmic manisfestations, Type II or specified type, or stated as uncontrolled
  - 36206 Severe proliferative diabetic retinopathy
  - 36207 Diabetic macular edema

Some ICD-10 codes have no predecessor ICD-9 codes

- T500x6A	Underdosing of mineralocorticoids and their antagonists, initial encounter
- T501x6A	Underdosing of loop [high-ceiling] diuretics, initial encounter
- T502x6A	Underdosing of carbonic-anhydrase inhibitors, benzothiadiazides and other diuretics, initial encounter
- T503x6A	Underdosing of electrolytic, caloric and water-balance agents, initial encounter
- T504x6A	Underdosing of drugs affecting uric acid metabolism, initial encounter
- *And others found in the GEMs*

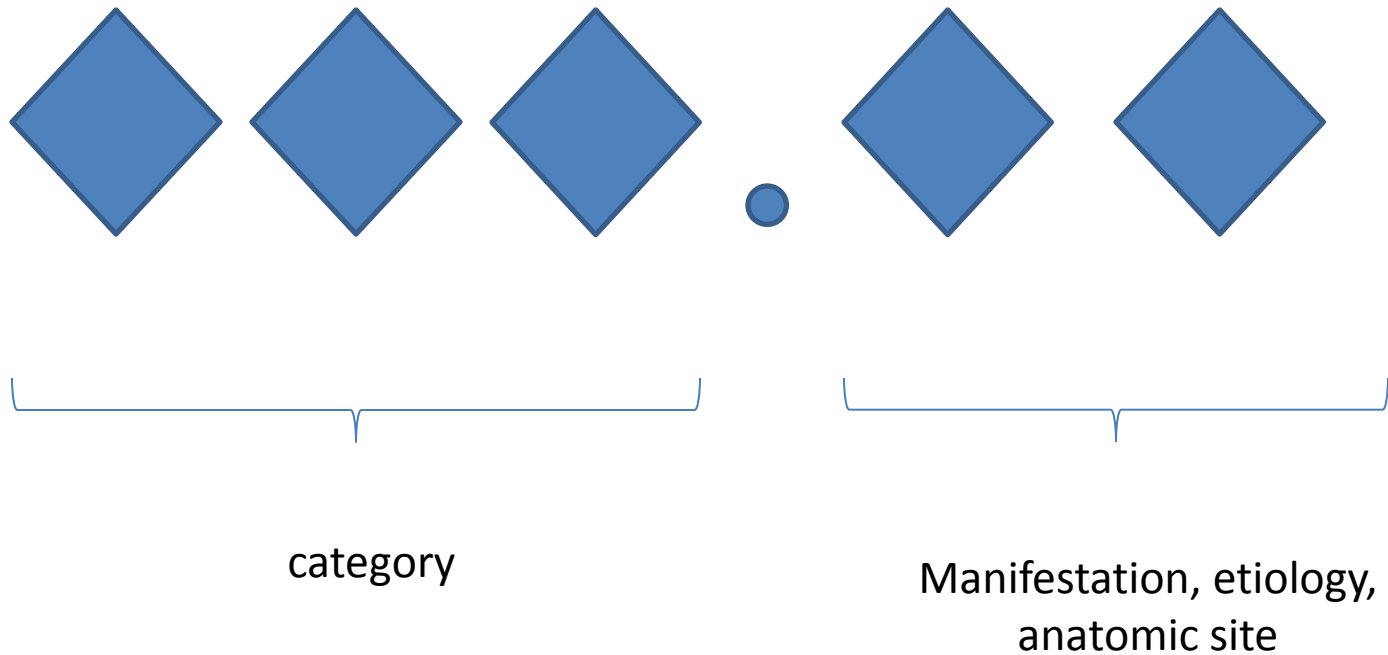# Structural Differences
ICD-9-CM Diagnoses

- ICD-9-CM has 3 –5 digits
- Chapters 1 –17: all characters are numeric
- Supplemental chapters: first digit is alpha (E or V), remainder are numeric
- Decimal placed after the first three characters
  - 496 Chronic airway obstruction, not elsewhere classified (NEC)
  - 511.9 Unspecified pleural effusion
  - V02.61 Hepatitis B carrier
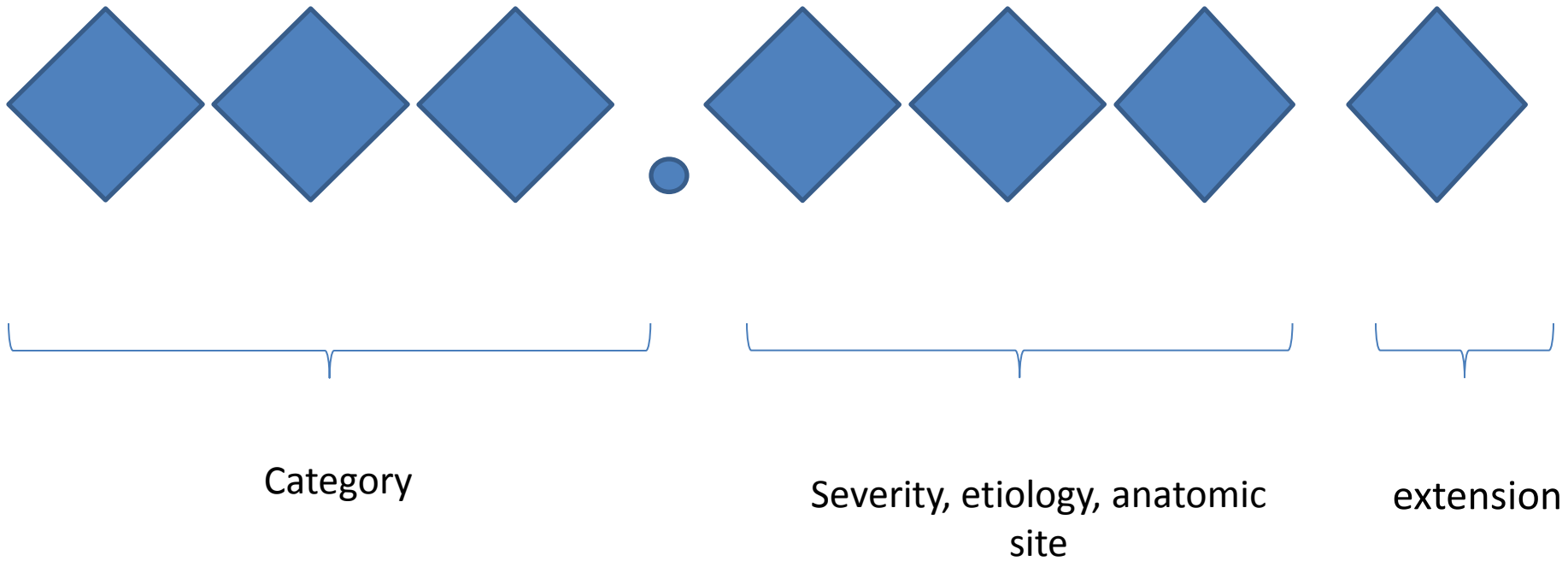
Structural Differences
ICD-10-CM Diagnoses

- ICD-10-CM codes have 3 –7 digits
- First digit is alpha (U is not used)
- Second and third digits are numeric
- Fourth, fifth, sixth and seventh digits may be alpha or numeric
- Decimal placed after the first three characters
  - A78   Q fever
  - A69.20   Lyme disease, unspecified
  - O9A.311   Physical abuse complicating
                 pregnancy, first trimester
  - S42.001A   Fracture of unspecified part of
                 right clavicle, initial encounter
                 for closed fracture

ICD-9-CM

category

Manifestation, etiology, anatomic site

ICD-10

Category

Severity, etiology, anatomic site

extension

7th Digit

- The seventh digit extensions represent
  - Visit encounter (initial = A or subsequent = D)
  - Sequelae = S
    - injuries and
    - external causes

7th Digits for Fractures

- A Initial encounter for closed fracture
- B Initial encounter for open fracture
- D Subsequent encounter for fracture with routine healing
- G Subsequent encounter for fracture with delayed healing
- K Subsequent encounter for fracture with nonunion
- P Subsequent encounter for fracture with malunion
- S Sequelae

Coding Guidelines

- Coding conventions for ICD-10-CM are found in the
  - Coding Guidelines,
  - general use guidelines, and
  - chapter-specific guidelines for the tabular list.
  - And within the index entries.
- available at
  www.cdc.gov/nchs/data/icd9/draft_i10guideln.pdf

Index

- The two parts of the ICD-10-CM index are
  - The index to diseases and injury
    - The table of drugs and chemicals and
    - The neoplasm table are housed in the index to diseases and injury.
  - The index to external causes of injury

V Codes

- V codes are now Z codes
- Contained in chapter 21, "Factors Influencing Health Status and Contact with Health Services."

Improvements in Organization

- ICD-10 has 21 chapters
- Some chapters include the addition of a sixth character
- ICD-10 includes full code titles for all codes
- Z codes are now the supplemental classifications
- Post-operative complications have been moved to a procedure-specific body system chapter

NEW!

- Combination codes for conditions and common symptoms or manifestations
- Combination codes for poisonings and external causes
- Added laterality
- Added extensions for episode of care
- Expanded codes (injury, diabetes, alcohol/substance abuse, postoperative complications)

NEW!

- Inclusion of trimester in obstetrics codes and elimination of fifth digits for episode of care
- Expanded detail relevant to ambulatory and managed care encounters
- Changes in timeframes specified in certain codes
- External cause codes no longer a supplementary classification

Exclude notes defined

- Excludes1 indicates *not coded here.*

- The code being excluded is never used with the code. The two conditions cannot occur together.

- For example, B06 Rubella [German measles] has an Excludes1 of congenital rubella (P35.0).

Exclude notes defined

- Excludes2 indicates *not included here*.

- The excluded condition is not part of the condition represented by the code.

- It is acceptable to use both codes together if the patient has both conditions.

- For example, J04.0, Acute laryngitis has an Excludes2 of chronic laryngitis (J37.0).

ICD-10-CM Code Examples

- **Combination Codes for Conditions and Common Symptoms**
  - I25.110, Arteriosclerotic heart disease of native coronary artery with unstable angina pectoris
  - K50.013, Crohn's disease of small intestine with fistula
  - K71.51, Toxic liver disease with chronic active hepatitis with ascites
- **Combination Codes for Poisonings and the External Cause**
  - T39.011, Poisoning by aspirin, accidental (unintentional)
  - T39.012, Poisoning by aspirin, intentional self harm
  - T39.013, Poisoning by aspirin, assault
  - T39.014, Poisoning by aspirin, undetermined
- **Laterality**
  - C50.212, Malignant neoplasm of upper-inner quadrant of left female breast
  - H02.835, Dermatochalasis of left lower eyelid
  - I80.01, Phlebitis and thrombophlebitis of superficial vessels of right lower extremity
  - L89.213, Pressure ulcer of right hip, stage III

Diabetes Mellitus

- Includes the manifestation
  - E08.22, Diabetes mellitus due to an underlying condition with diabetic chronic kidney disease
  - E09.52, Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene
  - E10.11, Type 1 diabetes mellitus with ketoacidosis with coma
  - E11.41, Type 2 diabetes mellitus with diabetic mononeuropathy

ICD-10 Web Resources

- General ICD-10 information

http://www.cdc.gov/nchs/about/major/dvs/icd10des.htm

- ICD-10-CM files, information, and General Equivalence Mappings (GEM) between ICD-10-CM and ICD-9-CM

http://www.cdc.gov/nchs/about/otheract/icd9/icd10cm.htm

- ICD-10-CM Official Guidelines for Coding and Reporting

http://www.cms.hhs.gov/ICD10/Downloads/7_Guidelines10cm2010.pdf

References

- Barta, Ann; et al.. "ICD-10-CM Primer." *Journal of AHIMA* 79, no.5 (May 2008): 64-66

- Centers for Medicare and Medicaid Services website

http://www.cms.hhs.gov/ICD10/01m_2009_ICD10PCS.asp