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Meet the Presenter…

Linda D. Parsi, MD
MBA, CPEDC, FAAP

On the topic:
ICD-10-CM for the General Pediatrician
ICD-10: For the General Pediatrician: Made Easy!!! Really!!

Linda D. Parsi MD MBA CPEDC FAAP

Excerpts from The Medical Office Cycle Series

Objectives

• Learning ICD-10 with Guidelines & Conventions
• Review the highlights of each ICD-10 Chapter
• Review proper documentation for ICD-10
• Review common crosswalks from ICD-9 to ICD-10
• Review common pediatric coding scenarios in ICD-10
• Review highlights on Billing
Learning ICD-10: Can be Fun!?

• Don’t be scared! By educating ourselves we will build our confidence!
• It really is time for an update! Its been since 1979 with ICD-9 and when we had these:

And these!
Learning ICD-10: Made Easy

- Telling our story: Now we can give a more detailed story about the patient to other providers and third parties
- Break it down:
  - by using your own ICD-9 codes and converting those to ICD-10
  - Use your own superbill as a template
- Implement: by working together as a team for a smoother transition with just a few steps!

Top reasons for updating:

- Terminology has been modernized and more consistent
- In some cases, fewer codes are used because diagnosis and symptoms have been combined to describe a condition
- Provides separate codes for laterality in most conditions
- Able to track more detailed statistics of diseases for public health research, report and surveillance
Coding in a Nutshell: Quick Review

- DIAGNOSIS: ICD
- WORK: CPT
- SUPPLIES: HCPCS

Coding is Foundation of Medical Home

MEDICAL HOME

ICD-10, CPT, HCPCS

- Who is using ICD-10?
- What is ICD 10?
- When is ICD-10?
- Where is ICD-10?
- Why do I need it?
- How do I use it?
- How do I implement it?

Who is using ICD-10?
Already Adopted in 25 Countries

- Nordic Countries (Denmark, Finland, Iceland, Norway, Sweden: 1994-1997)
- Czech Republic (1994)
- United Kingdom (1995)
- France (1997)
- Australia (1998)
- Belgium (1999)
- Germany (2000)
- Canada (2000)
- China (2002)
- Korea (2008)
- South Africa (2005)
- Thailand (2007)
- Dubai (2012)
What is ICD and ICD-10?

• History
• The Differences between ICD-9 & ICD-10
• Book Layout

What is ICD and ICD-10: the History

• The idea of statistical study of disease started in 1662 by John Graunt with his book the London Bills of Mortality
  – tried to classify the deaths of live born child that died before the age of 6 years old and estimated that 36% died before this age
  – He, along with other officials, attempted to warn of the onset and spread of bubonic plague but it never materialized
• This helped lay the groundwork for the idea of the International Classification of Disease (ICD) and was adopted in 1883
• Since then it has undergone 10 revisions and currently the 11th is being worked on.
• Maintained by the World Health Organization (WHO):
  “It allows the world to compare and share health information using a common language”
• ICD 10 Has 68,000 codes: over 5x more than ICD-9!

What is ICD-10:
Main differences between ICD-9 & ICD-10

<table>
<thead>
<tr>
<th>DIFFERENCES</th>
<th>ICD-9</th>
<th>ICD-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implemented</td>
<td>1979</td>
<td>Began in 1983 and finished in 1992</td>
</tr>
<tr>
<td>Alphabetic Index</td>
<td>-2 tables: HTN and Neoplasm -Table of Drugs and Chemicals -Index to External Causes</td>
<td>-1 table: Neoplasm -Table of Drugs and Chemicals -Index to External Causes</td>
</tr>
<tr>
<td>Tabular Index</td>
<td>-17 chapters -2 Supplemental Classifications: V codes and E codes -4 Appendices (A,C,D,E)</td>
<td>-21 Chapters</td>
</tr>
<tr>
<td>Number of Codes</td>
<td>13,000</td>
<td>68,000</td>
</tr>
<tr>
<td>Number of Characters</td>
<td>3 to 5</td>
<td>3 to 7</td>
</tr>
</tbody>
</table>
Don't scare them : ) I would remind them MOST you will never use! : )
Dolan, Becky, 9/23/2015
What is ICD-10: Book Layout

• ICD-10 CM Book: Made up of 2 parts
  – **Alphabetical Index**: Has 3 sections (to look up general diagnosis or condition)
    • Table of Neoplasms
    • Table of Drugs and Chemicals
    • Index to External Causes
  – **Tabular List**: Has 21 chapters (more specificity to code diagnosis) End point for code selection which consists of 3 to 7 alphanumeric characters
    • 21 chapters: classifies diseases and injuries (A00.0 to T88.9 and Z00 to Z99.8)

Tabular List: 21 Chapters

1. Infectious and Parasitic Diseases (A00-B99)
2. Neoplasms (C00-D49)
3. Diseases of the Blood and Blood-Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)
4. Endocrine, Nutritional, and Metabolic diseases (E00-E89)
5. Mental, Behavioral, and Neurodevelopmental Disorders (F01-F09)
6. Diseases of the Nervous System (G00-G99)
7. Diseases of the Eye and Adnexa (H00-H59)
8. Diseases of the Ear and Mastoid Process (H60-H95)
9. Diseases of the Circulatory System (I00-I99)
10. Diseases of the Respiratory System (J00-J99)
11. Diseases of the Digestive System (K00-K93)
12. Diseases of the Skin and Subcutaneous Tissue (L00-L99)
13. Diseases of the Musculoskeletal System and Connective Tissue (M00-M99)
14. Diseases of the Genitourinary System (N00-N99)
15. Pregnancy, Childbirth, and the Puerperium (O00-O9A)
16. Certain Conditions Originating in the Perinatal Period (P00-P96)
17. Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)
18. Symptoms, Signs and Abnormal Clinical and Laboratory Findings Not Elsewhere Classified (R00-R99)
19. Injury, Poisoning, and Certain Other Consequences of External Causes (S00-T88)
20. External Causes of Morbidity (V00-Y99)
21. Factors Influencing Health Status and Contact With Health Services (Z00-Z99)
**When is ICD-10?**

ICD 10 CM: International Classification of Diseases, 10th Revision, Clinical Modification scheduled to start on **Oct 1, 2015** in the USA.

**NEED TO BE READY!**

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**Where is ICD-10?**

- In 25 countries
- Started in the USA on Oct 1, 2015
Why do I Need ICD-10?

• Keeping up with the significant changes in medicine, treatment and medical devices
• ICD 9 was not designed to capture all these changes and has been difficult to continue to modify further. There is currently no room for expansion for ICD 9.
• ICD 10 is more flexible to adapt to change and better describes the current practice of medicine.

How do I Use ICD-10? Important to Understand Basic Concepts!!!

• In a Nutshell
• Guidelines & Conventions
  – Format and Structure
  – Code Structure
  – Selection and Documentation
  – Abbreviations/Punctuation/Notes
ICD-10: In a Nutshell

1. Documentation to support diagnosis
2. Look up Dx in Alphabetical Index
3. Using Alphabetical Index Code, go to Tabular List
4. To select final code, review all notes & instructions using ICD-10 Guidelines & Conventions

Alphabetical Index: Basic Format

1. Documentation to support diagnosis
2. Look up Dx in Alphabetical Index
   a. Find Main Term
   b. Review Subterms to get most accurate code

   **MAIN TERM**: boldfaced and in alphabetical order followed by a nonessential modifier and code

   **SUBTERM**: Essential modifier which qualifies the main term by listing sites, etiology or clinical status

   **2nd QUALIFIER**: a term that further modifies the subterm

   **3rd QUALIFIER**: a term that further modifies the 2nd qualifier

   **4th QUALIFIER**: a term that further modifies the 3rd qualifier
**Example for Alphabetical Index**

- Asthma (Main Term)
  - With
    - Mild intermittent (Subterm)
      - With
        » Exacerbation acute J45.21 (2\textsuperscript{nd} qualifier)
        » Status asthmaticus J45.22

---

**Tabular List: Basic Format**

3. Using Alphabetical Index Code, go to Tabular List
   a. Find Code in the Tabular List
   b. Review Category, Subcategory, and Final Subdivisions to get final code

```
<table>
<thead>
<tr>
<th>CHAPTER</th>
<th>SUBCHAPTER</th>
<th>CATEGORY (3 characters): a disease or group of diseases which is called a CODE if a category does not have any further subdivisions</th>
<th>SUBCATEGORY (4-5 characters): can be a final code if last subdivision</th>
<th>FINAL CODE (may be 3, 4, 5, 6, 7 characters): is when reach the final subdivision</th>
</tr>
</thead>
</table>
```
• CHAPTER: Chapter 13 Diseases of the Musculoskeletal System
  – SUBCHAPTER: Arthropathies (M00-M25)
  • CATEGORY: 3rd Character:
    M25 Other joint disorders, not elsewhere classified
    – SUBCATEGORY: 4th Character:
      » M25.5 Pain in joint
      » SUBDIVISION: 5th character of code: Document site (shoulder, elbow, wrist, hand, hip, knee, ankle, foot, vertebrae)
        • M25.57 ankle joint pain-
      • SUBDIVISION: 6th character of code: laterality (right or left)
        • M25.571 right ankle joint pain-

Code Selection and Documentation
ICD-10 begins with the ALPHABETIC INDEX and then the TABULAR LIST which is the end point for the code selection because it gives the most specificity

• In the TABULAR LIST, choose from A00.0 to T88.9 and Z00 to Z99.8 for diagnosis or reason for encounter
• INSTRUCTIONS from both the ALPHABETIC INDEX and the TABULAR LIST should be followed to select the most accurate code as well as for sequencing a code
ICD-10: Guidelines & Conventions

4. To select final code, need to review and understand all notes & instructions to select the highest specificity
   a. Format and Structure
   b. Abbreviations
   c. Punctuation
   d. Notes

ICD-10: Guidelines and Conventions

Format and Structure:
Character: (1) a letter or number that make up a code (3 to 7 in ICD-10). All alphabetic characters are used except the letter U.
   – Category: (3) a 3-character unit that can serve as the final code or base for building a 4 to 7 code from the tabular list
   – Code: (3-7) a complete set of characters that has a minimum of 3 characters to a maximum of 7 characters
ICD-10: Guidelines and Conventions

**CODE STRUCTURE:** pattern is 3 characters then a decimal point followed by up to 4 characters ie XXX.XXXX

- Character 1: is a letter from A-Z except U (ALWAYS CAPITAL)
- Character 2: is a number
- Character 3: is a number
- Character 4: is a number or letter (capital or lowercase)
- Character 5: is a number or letter (capital or lowercase)
- Character 6: is a number or letter (capital or lowercase)
  - 4th to 6th characters: expand on the etiology, severity, site, manifestations or intent (i.e. acute, chronic, exacerbated, laterality)
- Character 7: is an extension required in some categories to further define the episode of care (i.e. A-initial, D-subsequent, or S-sequelae)

Code Selection and Documentation

- **4th to 6th Character:**
  - **ETIOLOGY:** Coding underlying cause or origin of disease or condition
  - **SEVERITY:** Coding status of condition such as acute, chronic, exacerbated or acute on chronic (i.e: If a condition is both acute and chronic and are listed at the same indentation level in the alphabetic index then both can be reported at the same time)
  - **SITE:** separate codes for laterality in most conditions where laterality apply. Some codes may have right, left and/or bilateral. If it does not have a listing for bilateral then code right and left together
  - **MANIFESTATIONS:** Characteristic signs or symptoms of an illness
  - **SPECIFIC QUALIFIERS:** (eg, congenital, acquired, neonatal, type 1)
Code Selection and Documentation

- **Seventh character:**
  - **A:** for initial encounter or Active treatment such as surgical treatment, emergency department and evaluation, and continuing treatment by the same or a different physician (ex: initial burn) *The A is used for the entire period when the pt receives active tx.*
  - **D:** for subsequent encounter or follow-up care after the initial or active treatment and is receiving routine care for the condition during the healing or recovery phase. (ex: follow-up burn, cast change or removal, medication adjustment.
  - **S:** Sequelae (late effects) are reported when there is a complication or condition that occurs after an injury. The sequelae is coded first (ex: scar) and the initial problem is coded second (ex: sequel of a burn)
  - **Placeholder:** uses the letter X to provide for future expansion of a code category or where a seventh character is required but a code is less than 6 characters long so it fills the spaces (ex: poisoning, adverse effect and underdosing codes in Chapter 19)

Guidelines and Conventions:

**Abbreviations**

- In the Alphabetical Index and Tabular List:
  - **NEC:** Not elsewhere classified – other specified (when there is no specific code that is available for a condition then use other specified code)
  - **NOS:** Not otherwise specified – unspecified (documentation doesn’t support a more specific code)
Maybe specify this is ONLY for injuries and fractures not otitis media (ha I have been asked that Many times)

Dolan, Becky, 9/23/2015
### Punctuation:

<table>
<thead>
<tr>
<th>Punctuation</th>
<th>USED IN ALPHABETICAL INDEX</th>
<th>USED IN TABULAR INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Brackets</td>
<td>Identify Manifestation Codes and is ALWAYS CODED SECOND TO ETIOLOGY CODE!</td>
<td>Enclose synonyms, alternative wording or explanatory phrases</td>
</tr>
<tr>
<td>( ) Parenthesis</td>
<td>Nonessential modifiers: applies to the subterm following the main term and encloses supplementary words that may be present or absent without affecting the code</td>
<td>Nonessential modifiers: Encloses supplementary words that may be present or absent in the statement of a disease or procedure without affecting the code number to which it is assigned.</td>
</tr>
</tbody>
</table>

### ICD-10 Symbols

- A hyphen (-) at the end of a code indicates that additional digits are required
  - Example:
    - H65.0-
    - H65.01 Acute serous OM, right ear
Notes:

- **Includes**: a note placed immediately under a 3-character code title to further define, or give examples of, the content of the category
- **Inclusion terms**: non-exhaustive list of terms found under some codes indicating conditions for which that code is to be used. The terms may be synonyms of the code title, or, in the case of “other specified” codes, the terms are a list of the various conditions assigned to that code. Additional terms found only in the alphabetic index may also be assigned to a code

Notes:

- **Excludes1**:  
  - Pure excludes note meaning “NOT CODED HERE!”  
  - When 2 conditions **cannot** occur together, such as congenital vs acquired  
    - **CANNOT** be coded together!
- **Excludes 2**:  
  - Means “Not included here”  
  - Not part of the condition represented by the code, but may have both conditions at the same time  
    - **CAN** be coded together!
Notes:

• **And:** should be interpreted to mean either “**and**” or “**or**”
• **With:** should be interpreted to mean “associated with” or “due to”
• **See:** indicates that another term should be referenced
• **See also:** instructs that there is another main term that may also be referenced that may provide additional Alphabetic Index entries that may be useful. It is not necessary to follow when the original main term provides the necessary code.

Note:

• **Code also:** instructs that two codes may be required to fully describe a condition but **does not** provide sequencing direction.
• **Code first:** instructs that when an underlying condition/etiology is present, then that code is sequenced first before the manifestation code. **Does** provide sequencing direction.
  – Note: manifestation codes describe the manifestation of an underlying disease, not the disease itself and therefore should not be used as a principal diagnosis or coded first.
Notes:

- **Default codes:** The code listed next to a main term in the Alphabetical Index and is often unspecified. If more documentation is known then sub-terms may direct to codes that are more specific.

Notes:

- **Code, if applicable, any causal condition first:** same as “code first” but indicates causal condition may not be present
- **Combination code:** a single code describing a condition and a manifestation or complication of the condition (J121.1 RSV pneumonia)
- **Complication of care:** a condition occurring during or following medical or surgical care for which a cause-and-effect relationship is documented (e.g. hemorrhage following surgery)
How do I Implement ICD-10?

• Implementation Checklist
• Take our top current ICD-9 diagnosis codes and use for crosswalks to ICD-10
• Alphabetical Index and Tabular List to choose our diagnosis codes and understand the guidelines and conventions
• May Use Superbill as an Outline

How do I Implement ICD-10: Implementation Checklist

• Assess
• Plan
• Prepare
• Train
• Test
• Implement
• Evaluate
How do I Implement ICD-10: Integrate with Superbill Outline

- Sick
- Well
- Sick & Well
- Vaccines
- Administration
- Medications
- Supplies

Review of AAP Superbill 2015

Review the Highlights of each Chapter: Sick and Well Diagnosis Codes

Ch 1 Certain Infectious and Parasitic Diseases (A00-B99)

- **A00-A09** Intestinal Infectious Diseases (Salmonella, Shigellosis, Rotavirus)
- **A15-A19** Tuberculosis (Respiratory, Nervous System, Miliary)
- **A20-A28** Certain Zoonotic Bacterial Diseases (Anthrax, Cat Scratch fever)
- **A30-A49** Other Bacterial Diseases (mycobacteria, tetanus, diphtheria, whooping cough, scarlet fever, streptococcal, sepsis)
- **A50-A64** Infections with a Predominantly Sexual Mode of Transmission (ex. syphilis, gonoccal, chlamydial, herpes)
- **A65-A69** Other Spirochetal Diseases (ex Lyme Disease)
- **A70-A74** Other Diseases Caused by Chlamydiae (ex trachoma)
- **A75-A79** Rickettsioses (ex Rocky Mountain Spotted Fever)
- **A80-A89** Viral and Prion Infections of the CNS (ex polio, rabies, encephalitis caused by mosquitos, ticks and viruses)
- **A90-A99** Arthropod-Borne Viral Fevers and Viral Hemorrhagic Fevers (ex West Nile, Yellow fever)
- **B00-B09** Viral Infections Characterized by Skin and Mucous Membrane Lesions (ex Herpes Simplex, Varicella, Measles, Rubella, Viral Warts, Molluscum)
Ch 1 Continued

- **B10** Other Human Herpesvirus
- **B15-B19** Viral Hepatitis (ex Hepatitis A, Hepatitis B, Hepatitis C)
- **B20** HIV Disease
- **B25-B34** Other Viral Diseases (CMV, Mumps, Infectious Mononucleosis, viral Conjunctivitis, Viral Carditis, Adenovirus, Enterovirus, parvovirus
- **B35-B49** Mycoses (ex Tinea, Tinea versicolor, Candidiasis, Histoplasmosis, Blastomycosis)
- **B50-B64** Protozoal Diseases (ex Malaria, Toxoplasmosis)
- **B65-B83** Helminthiases (ex Schistosomiasis, cysticercosis, enterobiasis-pinworm)
- **B85-B89** Pediculosis, Acarasis and other Infestations (ex Pediculosis-louse, scabies, acariasis)
- **B90-B94** Sequelae of Infectious and Parasitic Diseases (ex TB)
- **B95-B97** Bacterial and Viral Infectious Agents
  - “Note: These Categories are provided for use as supplementary or additional codes to identify the infectious agent(s) in diseases classified elsewhere” pg 124
  - Ex Bacterial: Streptococcus, Staphylococcus and Enterococcus, M. pneumoniae, K.pneumoniae, E.coli, H. Influenzae, Proteus, Pseudomonas
  - Ex Viral: Adenovirus, Enterovirus, Coxsackievirus
- **B99** Other Infectious Diseases

Chapter 1

- Special Instructions:
  - Codes from Chapter 1 may be reported where the instructions indicate that an additional code should be used to report the infectious agent
  - Use additional code: to identify resistance to antimicrobial drugs (Z16-)
Diagnosis Codes: examples

• 4th A08 Viral and other specified intestinal infections
  – Excludes1 influenza with involvement of gastrointestinal tract (J09.X3, J10.2, J11.2)
  – A08.0 Rotaviral enteritis
  – 5th A08.1 Acute gastroenteropathy due to Norwalk agent and other small round viruses
    • A08.11 Acute gastroenteropathy due to Norwalk agent
    • A08.19 Acute gastroenteropathy due to other small round viruses
  A08.4 Viral intestinal infection, unspecified
    – Viral enteritis NOS
  – Viral Gastroenteritis NOS
    – Viral gastroenteropathy NOS
  A09 Gastroenteritis, noninfectious unspecified

Diagnosis Codes: examples

• B07.0 Warts, plantar/verrruca plantaris
• B07.8 Warts, viral (common cold)
• B08.1Molluscum contagiosum
• B08.3 Fifth disease
• B08.4 Hand, foot and mouth
• B09 Viral Exanthem NOS
• B34.9 Viral syndrome
• B35.1 Tinea unguium/dermatophytosis nail
• B35.4 Tinea corporis/body ringworm
• B35.5 Tinea pedis/athlete's foot
• B35.6 Tinea cruris/groin ringworm
• B37.0 Thrush, oral
• B37.2 Candidiasis of skin/nail
• B37.3 candidiasis of vulva/vagina
• B85.- Lice: Ohead; 1 body
• B86 Scabies
### Ch 2 Neoplasms (C00-D49)

- **C00-C96** Malignant Neoplasms
- **C00-C14**: of Lip, Oral Cavity and Pharynx
- **C15-C26**: of Digestive Organs
- **C30-C39**: of Respiratory and Intrathoracic Organs
- **C40-C41**: of Bone and Articular Cartilage
- **C43-C44**: Melanoma and Other Malignant Neoplasms of Skin
- **C45-C49**: of Mesothelial and Soft Tissue
- **C50**: of Breast
- **C51-C58**: of Female Genital Organs
- **C60-C63**: of Male Genital Organs
- **C64-C68**: of Urinary Tract

### Chapter 2

- **C69-C72**: of Eye, Brain and Other Parts of CNS
- **C73-C75**: of Thyroid and Other Endocrine Glands
- **C80**: without specification of site
- **C00-C96**: Malignant Neoplasms
- **C81-C96**: of Lymphoid, Hematopoietic and Related Tissue (ex Hodgkin and Non-Hodgkin Lymphoma, Leukemia)
  - Note the fifth digit in leukemia is for remission status
  - Note the fifth digit in lymphoma is for specific body area D00-D09 In Situ Neoplasms
- **D10-D36** Benign Neoplasms, Except Benign Neuroendocrine Tumors (ex Hemangioma and lymphangioma)
- **D37-D48** Neoplasms of Uncertain Behavior, Polycythemia Vera and Myelodysplastic syndromes
- **D49** Neoplasms of Unspecified Behavior
Chapter 2 Diagnosis Codes: examples

- **4th C91 Lymphoid leukemia**
- **Excludes 1:** personal history of leukemia (Z85.6)
  - **5th C91.0 Acute lymphoblastic leukemia [ALL]**
  - **Notes** Code C91.0 should only be used for t-cell and b-cell precursor leukemia
- **C91.00 Acute lymphoblastic leukemia not having achieved remission**
- **Acute lymphoblastic leukemia with failed remission**
- **Acute lymphoblastic leukemia NOS**
  - **C91.01 Acute lymphoblastic leukemia, in remission**
  - **C91.02 Acute lymphoblastic leukemia, in relapse**

Chap 2 Diagnosis Codes: examples

- **4th D18 Hemangioma and lymphangioma, any site**
  - **Excludes 1:**
    - benign neoplasm of glomus jugulare (D35.6)
    - blue or pigmented nevus (D22.-)
    - nevus NOS (D22.-)
    - vascular nevus (Q82.5)
- **5th D18.0 Hemangioma**
  - Angioma NOS
  - Cavernous nevus
  - D18.00 Hemangioma unspecified site
  - D18.01 Hemangioma of skin and subcutaneous tissue
  - D18.02 Hemangioma of intracranial structures
  - D18.03 Hemangioma of intra-abdominal structures
  - D18.09 Hemangioma of other sites
Ch 3 Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)

- **D50-D53** Nutritional Anemias (ex iron Def, Vit B12 Def, Folate)
- **D55-D59** Hemolytic Anemias (ex Thalassemia, Sickle-Cell)
  - Note: use additional code with any associated fever
  - Note: choose codes with or without crisis (except not for trait)
- **D60-D64** Aplastic and Other Anemias and Other Bone Marrow Failure Syndromes (ex Blackfan-Diamond, Fanconi's, in neoplastic, in chemotherapy)
- **D65-D69** Coagulation Defects, Purpura and Other Hemorrhagic Conditions (ex DIC, Factor VIII, Factor IX, ITP)
- **D70-D77** Other Disorders of Blood and Blood-Forming Organs (ex Decreased WBC-Neutropenia, Elevated WBC, Eosinophilia, Disorders of Spleen)
- **D78** Intraoperative and Post procedural Complications of the Spleen
- **D80-D89** Certain Disorders Involving the Immune Mechanism (ex immunodeficiency with IGA, IGG, IGM, SCID, Wiskott-Aldrich, DiGeorge's)

Chap 3 Diagnosis Codes: examples

- **4th** D05 Iron deficiency anemia
  - Includes asiderotic anemia
  - hypochromic anemia
  - D50.0 Iron deficiency anemia secondary to blood loss (chronic)
    - Posthemorrhagic anemia (chronic)
    - Excludes 1 acute posthemorrhagic anemia (D62)
    - congenital anemia from fetal blood loss (P61.3)
  - D50.1 Sideropenic dysphagia
  - D50.8 Other iron deficiency anemias
    - Iron deficiency anemia due to inadequate dietary iron intake
  - D50.9 Iron deficiency anemia, unspecified
Ch 4 Endocrine, Nutritional and Metabolic Diseases (E00-E89)

- E00-E07 Disorders of Thyroid Gland (ex hypo and hyperthyroidism,
- E08-E13 Diabetes Mellitus (ex Type 1, Type 2)
- E15-E16 Other Disorders of Glucose Regulation and Pancreatic Internal Secretion (ex hypoglycemia)
- E20-E35 Disorders of other Endocrine Glands (ex Parathyroid, pituitary gland, Adrenal Glands-CAH, Ovarian, disorders of puberty-delayed, precious puberty, short stature)
- E36 Intraoperative Complications of Endocrine System
- E40-E46 Malnutrition (ex Kwashiorkor)
- E50-E64 Other Nutritional Deficiencies (ex Vit D, Calcium)
- E65-E68 Overweight, Obesity and Other Hyperalimentation
- E70-E88 Metabolic Disorders (amino acid metabolism, carnitine, peroxisomal, lactose intolerance, CF, electrolyte and acid-base imbalance)
- E89 Postprocedural endocrine and metabolic complications and disorders, not elsewhere classified

Chap 4 Diagnosis Codes: examples

- E01.8 Hypothyroidism
- E03.9 Hypothroidism, Unspec
- E08-E13 Diabetes Mellitus
- E66.01 Obesity, Morbid
- E66.9 Obesity, unspec
- E86.0 Dehydration
Ch 5 Mental, behavioral and neurodevelopmental disorders (F01-F99)

- **F01-F09** Mental Disorders due to known physiological conditions (postconcussional syndrome)
- **F10-F19** Mental and Behavioral Disorders Due to Psychoactive Substance Use (ex alcohol, cannabis, cocaine, nicotine dependence, inhalant use)
- **F20-F29** Schizophrenia, Schizotypal, delusional and other non-mood psychotic disorders
- **F30-F39** Mood Disorders (ex Depression)
- **F40-48** Anxiety, Dissociative, stress-related, somatoform and other nonpsychotic mental disorders (ex anxiety, OCD, PTSD, Adjustment disorders)
- **F50-F59** Behavioral Syndromes Associated with physiological disturbances and physical factors (Eating disorders- anorexia, bulimia, sleep disorders)

Chapter 5

- **F60-F69** Disorders of Adult Personality and Behavior (personality, impulse disorders, gender identity disorders)
- **F70-F79** Intellectual Disabilities (ex mild, mod, severe, profound)
- **F80-F89** Pervasive and specific developmental disorders (ex speech delay, speech delay due to hearing loss, reading disorder, math disorder, disorder of written expression, Rett syndrome, PDD, autism)
  - When using these conditions, use additional codes to identify any associated medical condition and the intellectual disabilities
- **F90-F98** Behavioral and emotional disorders with onset usually occurring in childhood and adolescence (ex ADHD, Conduct disorders, tic disorders, enuresis, encopresis, feeding disorder)
- **F99** Unspecified Mental Disorder
Chap 5 Diagnosis Codes: examples

- F32. - Depressive disorder, major, single epi:
  - 0 mild; 1 moderate; 9 unspecified
- F41.1 Anxiety disorder, generalized
- F41.9 Anxiety disorder, unspecified
- F43.20 Adjustment disorder, unspecified
- F80.9 Developmental disorder of speech/language
- F84.0 Autism
- F90.0 ADD
- F90.1 ADHD
- F91. - Conduct disorder 1 childhood-onset; 2 adolescent-onset; 9 unspec

Ch 6 Diseases of the Nervous System (G00-G99)

- G00-G09 Inflammatory Diseases of the Central Nervous System (meningitis, encephalitis, myelitis, encephalomyelitis and abscess)
- G10-G14 Systemic Atrophies primarily affecting the Central Nervous System (hereditary ataxia and spinal muscular atrophy-Werdnig Hoffman)
- G20-G26 Extrapyramidal and movement disorders (myoclonus)
- G30-G32 Other Degenerative Diseases of the nervous system
- G35-G37 Demyelinating Diseases of the Central Nervous System
- G40-G47 Episodic and Paroxysmal Disorders (epilepsy, seizures, migraine, headache, TIA, sleep disorders)
- G50-G59 Nerve, nerve root and plexus disorders (Bell's palsy)
- G60-G65 Polyrneuropathies and other disorders of the peripheral nervous system (Guillan-Barre syndrome)
Chapter 6

- **G70-G73** Diseases of myoneural junction and muscle (ex myasthenia gravis, muscular dystrophy)
- **G80-G83** Cerebral palsy and other paralytic syndromes (ex cerebral palsy, hemiplegia, paraplegia)
- **G89-G99** Other disorders of the nervous system (ex acute pain, chronic pain)
- **G90** Disorders of autonomic nervous system (ex hydrocephalus)
- **G92** Toxic encephalopathy
- **G93** Other disorders of Brain (ex encephalopathy, cerebral edema)

**Diagnosis Codes: examples**

- **4th G47** Sleep disorders
  - **5th G47.3** Sleep Apnea, sleep, unspec
    - Code also any associated underlying condition
    - *Excludes* 1 apnea NOS (R06.81)
      - Cheyne-Stokes breathing (R06.3)
      - Pickwickian syndrome (E66.2)
      - Sleep apnea of newborn (P28.3)
    » **G47.30** Sleep apnea, unspecified
      - Sleep apnea NOS
### Ch 7 Diseases of the eye and adnexa (H00-H59)

- **H00-H05** Disorders of Eyelid, lacrimal system and orbit (ex hordeolum, chalazion, blepharitis, ptosis)
- **H10-H11** Conjunctivitis (ex conjunctivitis, subconjunctival hemorrhage)
- **H15-H22** Disorders of sclera, cornea, iris and ciliary body (ex corneal disorder due to contact lens)
- **H25-H28** disorders of Lens (ex cataracts)
- **H30-H36** Disorders of choroid and retina (Retinopathy of prematurity)
- **H40-H42** Glaucoma (from eye trauma)
- **H46-H47** Disorders of optic nerve and visual pathways (ex papilledema)
- **H49-H52** Disorders of ocular muscles, binocular movement, accommodation and refraction (ex strabismus, myopia, astigmatism)
- **H53-H54** Visual Disturbances and Blindness (ex blindness, low vision)
- **H55-H57** Other Disorders of eye and adnexa (ex nystagmus)
- **H59** Intraoperative and postprocedural complications and disorders of eye and adnexa, not elsewhere classified

### Chap 7 Diagnosis Codes: examples

- **4th** H10 Conjunctivitis
  - **5th** H10.1 Acute atopic conjunctivitis
  - **5th** H10.2 Other acute conjunctivitis
    - **6th** H10.21 Acute toxic conjunctivitis
      - *Acute chemical conjunctivitis*
      - Code first (T51-T65) to identify chemical and intent
      - Excludes 1 burn and corrosion of eye and adnexa (T26-)
      - H10.211 Acute toxic conjunctivitis, right eye
      - H10.212 Acute toxic conjunctivitis, left eye
      - H10.213 Acute toxic conjunctivitis, bilateral
      - H10.219 Acute toxic conjunctivitis, unspecified
Ch 8 Diseases of the ear and mastoid process (H60-H95)

• **H60-H62** Diseases of external ear
• **H65-H75** Diseases of middle ear and mastoid
• **H80-H83** Diseases of inner ear
• **H90-H94** Other disorders of ear

Chap 8 Diagnosis Codes: Examples

• **H66** Suppurative and unspecified otitis media
  – *Includes suppurative and unspecified otitis media with myringitis*
  – Use additional code to identify:
  – Exposure to environmental tobacco smoke (Z77.22)
  – Exposure to tobacco smoke in the perinatal period (P96.81)
  – History of tobacco use (Z87.891)
  – Occupational exposure to environmental tobacco smoke (Z57.31)
  – Tobacco dependence (F17.-)
  – Tobacco use (Z72.0)
• **5th H66.0 Acute suppurative otitis media**
  – **6th H66.00 Acute suppurative otitis media without spontaneous rupture of ear drum**
    – H66.001 Acute suppurative otitis media without spontaneous rupture of ear drum, *right ear*
    – H66.002 Acute suppurative otitis media without spontaneous rupture of ear drum, *left ear*
    – H66.003 Acute suppurative otitis media without spontaneous rupture of ear drum, *bilateral*
    – H66.004 Acute suppurative otitis media without spontaneous rupture of ear drum, *recurrent, right ear*
    – H66.005 Acute suppurative otitis media without spontaneous rupture of ear drum, *recurrent, left ear*
    – H66.006 Acute suppurative otitis media without spontaneous rupture of ear drum, *recurrent, bilateral*
    – H66.007 Acute suppurative otitis media without spontaneous rupture of ear drum, *recurrent, unspecified ear*
    – H66.009 Acute suppurative otitis media without spontaneous rupture of ear drum, *unspecified ear*
  – **6th H66.01 Acute suppurative otitis media with spontaneous rupture of ear drum**

• **H65 Nonsuppurative otitis media**
  – **5th H65.0 Acute serous otitis media**
    – **5th H65.00-H65.07 Acute serous otitis media**
  – **5th H65.1 Other acute nonsuppurative otitis media**
    – **6th H65.11 Acute and subacute allergic otitis media (mucoid, sanguinous, serous)**
      • H65.111-H65.119 Acute and Subacute allergic otitis media
  – **5th H65.2 Chronic serous otitis media**
  – **5th H65.3 Chronic mucoid otitis media**
Ch 9 Diseases of the Circulatory System (I00-I99)

- I00-I02 Acute rheumatic fever
- I05-I09 Chronic rheumatic heart diseases
- I10-I15 Hypertensive diseases
- I20-I25 Ischemic heart diseases
- I26-I28 Pulmonary heart disease and diseases of pulmonary circulation
- I30-I52 Other forms of heart disease
- I60-I69 Cerebrovascular diseases
- I70-I79 Diseases of arteries, arterioles, and capillaries
- I80-I89 Diseases of veins, lymphatic vessels, and lymph nodes, not elsewhere classified
- I95-I99 Other and unspecified disorders of the circulatory system

Chap 9 Diagnosis Codes: Examples

- I49.9 Arrhythmia, Cardiac, unspecified
- I45.9 Conduction Disorder
- I33.9 Endocarditis, Acute
- I10 Hypertension, Essential
- I95.9 Hypotension
- I45.81 Long QT Syndrome
- I47.1 Supraventricular Tachycardia
- I86.1 Varicocele
- I45.6 Wolff-Parkinson-White Syndrome
Ch 10 Diseases of the Respiratory System (J00-J99)

- J00-J06 Acute upper respiratory infections
- J09-J18 Influenza and pneumonia
- J20-J22 Other acute lower respiratory infections
- J30-J39 Other diseases of upper respiratory tract
- J40-J47 Chronic lower respiratory diseases
- J60-J70 Lung diseases due to external agents
- J80-J84 Other respiratory diseases principally affecting the interstitium
- J85-J86 Suppurative and necrotic conditions of the lower respiratory tract
- J90-J94 Other diseases of the pleura
- J95 Intraoperative and post-procedural complications and disorders of respiratory system, not elsewhere classified
- J96-J99 Other diseases of the respiratory system

Chap 10 Diagnosis Codes: examples

- 4th J30 Vasomotor and allergic rhinitis
  - Includes spasmodic rhinorrhea
  - Excludes1 allergic rhinitis with asthma (bronchial) (J45.909)
    - Rhinitis NOS (J31.0)
      - J30.0 Vasomotor rhinitis
      - J30.1 Allergic rhinitis due to pollen
      - J30.2 Other seasonal allergic rhinitis
      - J30.5 Allergic rhinitis due to food
      - J30.9 Allergic rhinitis, unspecified
Chap 10 Diagnosis code examples

• J09 Influenza due to certain identified influenza viruses
  – J09.X Influenza due to identified novel influenza A virus
    • J09X1...with pneumonia
    • J09.X2...with other respiratory manifestations (URI)
    • J09.X3...with gastrointestinal manifestations
    • J09.X4...with other manifestations (OM)
    • Use additional code to identify manifestation

Chap 10 Diagnosis code examples

– 5th J10.8 Influenza due to other identified influenza virus with other manifestations
  • J10.83...with otitis media

– 4th Acute bronchiolitis
  – J21.0...due to RSV
  – J21.1...due to human metapneumovirus
  – J21.8...due to other specified organisms
  – J21.9...unspecified
Chap 10 Diagnosis code examples

4th J45 Asthma
Includes allergic (predominantly) asthma
allergic bronchitis NOS
allergic rhinitis with asthma
atopic asthma
extrinsic allergic asthma
hay fever with asthma
idiopathic asthma
intrinsic nonallergic asthma
nonallergic asthma

Use additional code to identify:
- exposure to environmental tobacco smoke (Z77.22)
- exposure to tobacco smoke in the perinatal period (P96.81)
- history of tobacco use (Z87.891)
- occupational exposure to environmental tobacco smoke (257.31)
- tobacco dependence (F17.-)
- tobacco use (272.0)

Coding Scenarios

4th J45 Asthma (Continued)
Excludes1 detergent asthma (J69.8)
eosinophilic asthma (J82)
lung diseases due to external agents (J60-J70)
miner’s asthma (J60)
wheezing NOS (R06.2)
wood asthma (J67.8)

Excludes2 asthma with chronic obstructive pulmonary disease (J44.9)
chronic asthmatic (obstructive) bronchitis (J44.9)
chronic obstructive asthma (J44.9)
## Diagnosis Codes: examples

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>J45.2</td>
<td>Mild intermittent asthma</td>
</tr>
<tr>
<td>J45.20</td>
<td>Mild intermittent asthma, uncomplicated</td>
</tr>
<tr>
<td>J45.21</td>
<td>Mild intermittent asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.22</td>
<td>Mild intermittent asthma with status asthmaticus</td>
</tr>
<tr>
<td>J45.3</td>
<td>Mild persistent asthma</td>
</tr>
<tr>
<td>J45.30</td>
<td>Mild persistent asthma, uncomplicated</td>
</tr>
<tr>
<td>J45.31</td>
<td>Mild persistent asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.32</td>
<td>Mild persistent asthma with status asthmaticus</td>
</tr>
<tr>
<td>J45.4</td>
<td>Moderate persistent asthma</td>
</tr>
<tr>
<td>J45.40</td>
<td>Moderate persistent asthma, uncomplicated</td>
</tr>
<tr>
<td>J45.41</td>
<td>Moderate persistent asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.42</td>
<td>Moderate persistent asthma with status asthmaticus</td>
</tr>
<tr>
<td>J45.5</td>
<td>Severe persistent asthma</td>
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<tr>
<td>J45.50</td>
<td>Severe persistent asthma, uncomplicated</td>
</tr>
<tr>
<td>J45.51</td>
<td>Severe persistent asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.52</td>
<td>Severe persistent asthma with status asthmaticus</td>
</tr>
<tr>
<td>J45.9</td>
<td>Other and unspecified asthma</td>
</tr>
<tr>
<td>J45.90</td>
<td>Unspecified asthma</td>
</tr>
<tr>
<td>J45.901</td>
<td>Asthmatic bronchitis NOS</td>
</tr>
<tr>
<td>J45.902</td>
<td>Childhood asthma NOS</td>
</tr>
<tr>
<td>J45.903</td>
<td>Late onset asthma</td>
</tr>
<tr>
<td>J45.904</td>
<td>Unspecified asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.905</td>
<td>Unspecified asthma with status asthmaticus</td>
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<tr>
<td>J45.906</td>
<td>Unspecified asthma, uncomplicated</td>
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<tr>
<td>J45.907</td>
<td>Asthma NOS</td>
</tr>
<tr>
<td>J45.99</td>
<td>Other asthma</td>
</tr>
<tr>
<td>J45.990</td>
<td>Exercise induced bronchospasm</td>
</tr>
<tr>
<td>J45.991</td>
<td>Cough variant asthma</td>
</tr>
<tr>
<td>J45.998</td>
<td>Other asthma</td>
</tr>
</tbody>
</table>
Ch 11 Diseases of the Digestive System (K00-K95)

- Diseases of oral cavity and salivary glands (K00-K14)
- Diseases of esophagus, stomach and duodenum (K20-K31)
- Diseases of appendix (K35-K38)
- Hernia (K40-K46)
- Non-infective enteritis and colitis (K50-K52)
- Other diseases of intestines (K55-K64)
- Diseases of peritoneum and retroperitoneum (K65-K68)
- Diseases of liver (K70-K77)
- Disorders of gallbladder, biliary tract and pancreas (K80-K87)
- Other diseases of the digestive system (K90-K95)

Chap 11 Diagnosis Codes: Examples

- K00.7 Teething Syndrome
- K29.70 Gastritis, unspecified
- 4th K21GERD
  » Excludes1 Newborn esophageal reflux (P78.83)
    - K21.0 GERD with esophagitis
    - K21.9 GERD without esophagitis
- 4th K42 Umbilical hernia
  - K42.9...without obstruction or gangrene
Ch 12 Diseases of the Skin and Subcutaneous Tissue (L00-L99)

- Infections of the skin and subcutaneous tissue
- Bullous disorders (L10-L14)
- Dermatitis and eczema (L20-L30)
- Papulosquamous disorders (L40-L45)
- Urticaria and erythema (L49-L54)
- Radiation-related disorders of the skin and subcutaneous tissue (L55-L59)
- Disorders of skin appendages (L60-L75)
- Intraoperative and post-procedural complications of skin and subcutaneous tissue (L76)
- Other disorders of the skin and subcutaneous tissue (L80-L99)

Diagnosis Codes: Examples

- L01.00 Impetigo
- 4th L20 Atopic Dermatitis
  - 5th L20.8 Other atopic dermatitis
    - L20.82 Flexural eczema
    - L20.83 Infantile (acute) (chronic) eczema
    - L20.84 Intrinsic (allergic) eczema
    - L20.89 Other atopic dermatitis
  - L20.9 ... unspecified
- L22 Diaper dermatitis
- L20.84 Eczema, intrinsic, allergic
- L55 - Sunburn
- L92.9 Granuloma skin (umbilical)
Ch 13 Diseases of the Musculoskeletal System and Connective Tissue (M00-M99)

- (M00-M25) ARTHROPATHIES
  - (M00-M02) Infectious arthropathies
  - (M05-M14) Inflammatory polyarthropathies
  - (M15-M19) Osteoarthritis
  - (M20-M25): Other joint disorders
- (M26-M27) DENTOFACIAL ANOMALIES (INCLUDING MALOCCLUSION) AND OTHER DISORDERS OF JAW
- (M30-M36) SYSTEMIC CONNECTIVE TISSUE DISORDERS
- (M40-M54) DORSOPATHIES
- (M40-M43) DEFORMING DORSOPATHIES
- (M45-M49) SPONDYLOPATHIES
- (M50-M54) OTHER DORSOPATHIES

- (M60-M79) SOFT TISSUE DISORDERS
  (M60-M63) Disorders of Muscles
  (M65-M67) Disorders of Synovium and Tendon
  (M70-M79) Other Soft Tissue Disorders
- (M80-M94) OSTEOPATHIES AND CHONDROPATHIES
  (M80-M85) Disorders of Bone Density and Structure
  (M86-M90) Other Osteopathies
  (M91-M94) Chondropathies
- (M95) OTHER DISORDERS OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE
Ch 13 Documentation/Highlights

• 5th M25 Other joint disorders, not elsewhere classified
  
  • 5th M25.5 Pain in joint
    – 6th M25.57 ankle joint pain-site (shoulder, elbow, wrist, hand, hip, knee, ankle, foot, vertebrae)
    
    » M25.571 Pain in right ankle and joints of right foot-laterality

Coding Scenarios

– Example: Unequal limb length is coded for the site of the shorter limb

  • right femur is shorter than left by 2 cm
  
  • M21.751 unequal limb length, right femur
A: initial encounter for fx
D: subsequent encounter for fx with routine healing
G: subsequent encounter for fx with delayed healing
K: subsequent encounter for fx with nonunion
P: subsequent encounter for fx with malunion

S: sequela

Ch 14 Diseases of the Genitourinary System (N00-N99)

- **N00-N08** Glomerular diseases
- **N10-N16** Renal tubulointerstitial diseases
- **N17-N19** Acute kidney failure and chronic kidney disease
- **N20-N23** Urolithiasis
- **N25-N29** Other disorders of kidney and ureter
- **N30-N39** Other diseases of the urinary system
- **N40-N53** Diseases of male genital organs
- **N60-N65** Disorders of breast
- **N70-N77** Inflammatory diseases of female pelvic organs
- **N80-N98** Non-inflammatory disorders of female genital tract
- **N99** Intraoperative and post-procedural complications and disorders of genitourinary system, not elsewhere classified
### Diagnosis Codes: Examples

- N94.4 Dysmenorrhea, primary
- N39.44 Enuresis, nocturnal
- N62 Hypertrophy breast

- **4th** N39 Other disorders of urinary system
  - N39.0 Urinary Tract Infection, site not specified
  - Use additional code (B95-B97), to identify infectious agent
  - Example: B96.20 Unspecified E.coli

### Ch 15 Pregnancy, Childbirth, and the Puerperium (O00-O9A)

- O00-008 Pregnancy with abortive outcome
- O09 Supervision of high risk pregnancy
- O10-016 Edema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium
- O20-029 Other maternal disorders predominantly related to pregnancy
- O30-048 Maternal care related to the fetus and amniotic cavity and possible delivery problems
- O60-077 Complications of labor and delivery
- O80, O82 Encounter for delivery
- O85-092 Complications predominantly related to the puerperium
- O94-09A Other obstetric conditions, not elsewhere classified
Ch 16 Certain Conditions Originating in the Perinatal Period (P00-P96)

- P00-P04 Newborn affected by maternal factors and by complications of pregnancy, labor, and delivery
- P05-P08 Disorders of newborn related to length of gestation and fetal growth
- P09 Abnormal findings on neonatal screening
- P10-P15 Birth trauma
- P19-P29 Respiratory and cardiovascular disorders specific to the perinatal period
- P35-P39 Infections specific to the perinatal period
- P50-P61 Hemorrhagic and hematological disorders of newborn
- P70-P74 Transitory endocrine and metabolic disorders specific to newborn
- P76-P78 Digestive system disorders of newborn
- P80-P83 Conditions involving the integument and temperature regulation of newborn
- P84 Other problems with newborn
- P90-P96 Other disorders originating in the perinatal period

Chap 16 Highlights

- “For coding and reporting purposes the perinatal period is defined as before birth through the 28th day following birth.”
- “When both birth weight and gestational age are available, two codes from category P07 should be assigned with the code for birth weight sequenced BEFORE the code for gestational age”
  - These codes from P07 are for use for a child or adult who was premature or had a low birth weight as a newborn and this is affecting the patient’s current health status.
  - The perinatal code should continue throughout the life of the patient regardless of age if the condition originates in the perinatal period! (ie ADHD with prematurity)
• 4th P07 Disorders of newborn related to short gestation and low birth weight, NEC
  – 5th P07.0 Extremely low birth weight newborn
    • Newborn birth weight 999g or less
  – 5th P07.1 Other low birth weight newborn
    • Newborn birth weight 1000-2499
  – 5th P07.2 Extreme immaturity of Newborn
    • LESS than 28 completed weeks (less than 196 completed days) of gestation
  – 5th P07.3 Preterm [premature] newborn [other]
    • 28 completed weeks or MORE but less than 37 completed weeks (196 completed days but less than 259 completed days) of gestation

Diagnosis Codes: Examples
• 4th P28. Other respiratory conditions originating in the perinatal period
  – P28.3 Primary sleep apnea of newborn
  – P28.4 Other apnea of Newborn
    • Apnea of prematurity
• CAREFUL!!!
  • R06.81 Apnea, child
  • G47.30 Apnea, SLEEP, unspecified
• P59.9 Neonatal Jaundice from other specified causes
• P59.9 Neonatal Jaundice, unspecified
4th P92 Feeding Problems of Newborn
  • P92.1 Regurgitation and rumination of NB
  • P92.2 Slow Feeding of NB
  • P92.3 Underfeeding of NB
  • P92.4 Overfeeding of NB
  • P92.5 Neonatal difficulty in feeding at breast
  • P92.6 Failure to thrive in NB

Ch 17 Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)
  • Q00-Q07 Congenital malformations of the nervous system
  • Q10-Q18 Congenital malformations of eye, ear, face and neck
  • Q20-Q28 Congenital malformations of the circulatory system
  • Q30-Q34 Congenital malformations of the respiratory system
  • Q35-Q37 Cleft lip and cleft palate
  • Q38-Q45 Other congenital malformations of the digestive system
  • Q50-Q56 Congenital malformations of genital organs
  • Q60-Q64 Congenital malformations of the urinary system
  • Q65-Q79 Congenital malformations and deformations of the musculoskeletal system
  • Q80-Q89 Other congenital malformations
  • Q90-Q99 Chromosomal abnormalities, not elsewhere classified
Ch 17 Diagnosis Codes: Examples

- Q21.1 Atrial Septal Defect
- Q23.0 Aortic Stenosis
- Q25.1 Coarctation of Aorta
- Q24.9 Congenital Heart Disease, Unspec
- Q21.2 Endocardial Cushion Defect
- Q25.0 Patent Ductus Arteriosus
- Q22.1 Pulmonary Valve Stenosis
- Q21.3 Tetralogy of Fallot
- Q26.2 Total Anomalous Pulmonary Venous Return
- Q20.3 Transposition of Great Vessels
- Q20.0 Truncus Arteriosus
- Q21.0 Ventricular Septal Defect
- Q90.9 Down Syndrome, unspecified

Highlights

- Codes from Chapter 17 may be used throughout the life of the patient.
- If a congenital malformation or deformity has been corrected then a personal history can be used to identify this.
- It can be listed as the first dx or a secondary dx
  - However, for the birth admission the Z38 liveborn infant will be sequenced first then the congenital anomaly codes, Q00-Q99.
Ch 18 Symptoms, Signs and Abnormal Clinical and Lab Findings, Not Elsewhere Classified (R00-R99)

- **R00-R09** Symptoms and signs involving the circulatory and respiratory systems
- **R10-R19** Symptoms and signs involving the digestive system and abdomen
- **R20-R23** Symptoms and signs involving the skin and subcutaneous tissue
- **R25-R29** Symptoms and signs involving the nervous and musculoskeletal systems
- **R30-R39** Symptoms and signs involving the genitourinary system
- **R40-R46** Symptoms and signs involving cognitions, perception, emotional state and behavior
- **R47-R49** Symptoms and signs involving speech and voice

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Ch 18 Symptoms, Signs and Abnormal Clinical and Lab Findings, Not Elsewhere Classified (R00-R99)

- **R50-R69** General symptoms and signs
- **R70-R79** Abnormal findings on examinations of blood, without diagnosis
- **R80-R82** Abnormal findings on examinations of urine, without diagnosis
- **R83-R89** Abnormal findings on examinations of other body fluids, substances and tissues, without diagnosis
- **R90-R94** Abnormal findings on diagnostic imaging and function studies without diagnosis
- **R97** Abnormal tumor markers
- **R99** Ill-defined and unknown cause of mortality
Ch 18 Highlights

• Code signs and sx when a definitive dx has NOT been established (confirmed) by the provider.

• Can be reported in addition to the definitive dx when the sign or sx is NOT routinely associated with the dx. The definitive dx should be coded first!!!

• Signs or sx that ARE routinely associated with a disease should NOT be coded unless instructed by classification

Ch 18 Diagnosis Codes: Examples

• R11.0 Nausea

• 5\textsuperscript{th} R11.1 Vomiting
  – R11.11 Vomiting without nausea
  – R11.12 Projectile vomiting
  – R11.13 Vomiting of fecal matter
  – R11.14 Bilious vomiting

• R11.2 Nausea with vomiting, unspecified

• R19.7 Diarrhea, unspecified
• 4th R10 Abdominal and pelvic pain
• 4th R31 Hematuria
• 4th Fever of other and unknown origin
  – 5th R50.8 Other specified fever
    • R50.81 Fever presenting with conditions classified elsewhere
    • R50.82 Post procedural fever
    • R50.83 Postvaccination fever
  – R50.9 Fever, unspecified
• R51 Headache
• R63.6 Underweight
  • Use additional code to identify BMI if known Z68.
• R63.3 Feeding Problem
• R63.6 Underweight
  – Add code for BMI if known Z68.

Ch 19 Injury, Poisoning, and Certain Other Consequences of External Causes (S00-T88)
• S00-S09 Injuries to the head
• S10-S19 Injuries to the neck
• S20-S29 Injuries to the thorax
• S30-S39 Injuries to the abdomen, lower back, lumbar spine, pelvis and external genitals
• S40-S49 Injuries to the shoulder and upper arm
• S50-S59 Injuries to the elbow and forearm
• S60-S69 Injuries to the wrist, hand and fingers
• S70-S79 Injuries to the hip and thigh
• S80-S89 Injuries to the knee and lower leg
• S90-S99 Injuries to the ankle and foot
Ch 19 Injury, Poisoning, and Certain Other Consequences of External Causes (S00-T88)

• T07 Injuries involving multiple body regions
• T14 Injury of unspecified body region
• T15-T19 Effects of foreign body entering through natural orifice
• T20-T32 Burns and corrosions
• T33-T34 Frostbite
• T36-T50 Poisoning by, adverse effects of and underdosing of drugs, medicaments and biological substances
• T51-T65 Toxic effects of substances chiefly nonmedicinal as to source
• T66-T78 Other and unspecified effects of external causes
• T79 Certain early complications of trauma
• T80-T88 Complications of surgical and medical care, not elsewhere classified

Highlights

• Codes S00-S99 include codes for different types of injuries to single body regions starting from head to foot.
• Codes T00-T88 have codes for unspecified body regions, poisoning and other consequences of external causes.
• Most categories in chapter 19 have a 7th character requirement for each applicable code which are A (initial encounter), D (subsequent), S (sequela)
  – Categories for traumatic fractures have additional 7th character values
Diagnosis Codes: Examples

- **4th T55** Toxic effect of soaps and detergents
  - The appropriate **7th** character is to be added to each code from category T55
  - **A**=initial encounter
  - **D**=subsequent encounter
  - **S**=sequela
    - **5th** Toxic effect of soaps
      - **6th** T55.0X Toxic effect of soaps
        - **7th** T55.0X1 Toxic effect of soaps, accidental (unintentional)
          - Toxic effect of soaps NOS
        - **7th** T55.0X2 Toxic effect of soaps, intentional self-harm
        - **7th** T55.0X3 Toxic effect of soaps, assault
        - **7th** T55.0X4 Toxic effect of soaps, undetermined

---

Ch 20 External Causes of Morbidity (V00-Y99)

- **V00-V09** Pedestrian injured in transport accident
- **V10-V19** Pedal cycle rider injured in transport accident
- **V20-V29** Motorcycle rider injured in transport accident
- **V30-V39** Occupant of three-wheeled motor vehicle injured in collision with pedestrian or animal
- **V40-V49** Car occupant injured in transport accident
- **V50-V59** Occupant of pick-up truck or van injured in transport accident
- **V60-V69** Occupant of heavy transport vehicle injured in transport accident
- **V70-V79** Bus occupant injured in transport accident
- **V80-V89** Other land transport accidents
Ch 20 External Causes of Morbidity (V00-Y99)

- V90-V94 Water transport accidents
- V95-V97 Air and space transport accidents
- V98-V99 Other and unspecified transport accidents
- W00-W19 Slipping, tripping, stumbling and falls
- W20-W49 Exposure to inanimate mechanical forces
- W50-W64 Exposure to animate mechanical forces
- W65-W74 Accidental non-transport drowning and submersion
- W85-W99 Exposure to electric current, radiation and extreme ambient air temperature and pressure
- X00-X08 Exposure to smoke, fire and flames
- X10-X19 Contact with head and hot substances

Ch 20 External Causes of Morbidity (V00-Y99)

- X30-X39 Exposure to forces of nature
- X52-X58 Accidental exposure to other specified factors
- X71-X83 Intentional self-harm
- X92-Y08 Assault
- Y09 Assault by unspecified means
- Y21-Y33 Event of undetermined intent
- Y35-Y38 Legal intervention, operations of war, military operations, and terrorism
- Y62-Y84 Complications of medical and surgical care
- Y90-Y99 Supplementary factors related to causes of morbidity classified elsewhere
Ch 20 Highlights

- **External causes** V01-Y99 are *never coded alone* and may be reported in addition to codes from A00.0 to T88.9 and Z00 to Z99.8. They are *always secondary codes*. Can use multiple external cause codes to fully describe each cause.

- **There is no national requirement for mandatory ICD 10 CM external cause code reporting.**
  - Unless a provider is mandated to a state-based external cause code reporting or required by a particular payer.
  - Providers are encouraged to voluntarily report external cause codes for injury research and evaluation of injury prevention strategies.

Chapter 20 Highlights

- **Cause**: how the injury or health condition happened
- **Intent**: accidental or intentional assault or self-harm
- **Place of occurrence** (only coded at *initial encounter*)
- **Activity** of patient at time of event (only coded at *initial encounter*)
- Status of patient: work, military, leisure or volunteer activity (only coded at *initial encounter*)
Ch 21 Factors Influencing Health Status and Contact with Health Services (Z00-Z99)

- **Z00-Z13** Persons encountering health services for examinations
- **Z14-Z15** Genetic carrier and genetic susceptibility to disease
- **Z16** Resistance to antimicrobial drugs
- **Z17** Estrogen receptor status
- **Z18** Retained foreign body fragments
- **Z20-Z28** Persons with potential health hazards related to communicable diseases
- **Z30-Z39** Persons encountering health services in circumstances related to reproduction
- **Z40-Z53** Encounters for other specific health care
- **Z55-Z65** Persons with potential health hazards related to socioeconomic and psychosocial circumstances

Ch 21 Factors Influencing Health Status and Contact with Health Services (Z00-Z99)

- **Z66** Do not resuscitate status
- **Z67** Blood type
- **Z68** Body mass index [BMI]
- **Z69-Z76** Persons encountering health services in other circumstances
- **Z77-Z99** Persons with potential health hazards related to family and personal history and certain conditions influencing health status
### Codes for New Pt Well

<table>
<thead>
<tr>
<th>CPT</th>
<th>ICD-10</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>99381</td>
<td>Z00.110</td>
<td>Health examination for newborn under 8 days old</td>
</tr>
<tr>
<td></td>
<td>Z00.111</td>
<td>Health examination for newborn 8-28 days old</td>
</tr>
<tr>
<td></td>
<td>Z00.121</td>
<td>Encounter for routine child health exam with abnormal findings (use additional code to identify abnormal findings)</td>
</tr>
<tr>
<td></td>
<td>Z00.129</td>
<td>Encounter for routine child health exam without abnormal findings</td>
</tr>
<tr>
<td>99382</td>
<td>Z00.111</td>
<td>Health examination for newborn 8-28 days old</td>
</tr>
<tr>
<td></td>
<td>Z00.121</td>
<td>Encounter for routine child health exam with abnormal findings (use additional code to identify abnormal findings)</td>
</tr>
<tr>
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<td>Z00.110</td>
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<td>Z00.121</td>
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<td>Z00.129</td>
<td>Encounter for routine child health exam without abnormal findings</td>
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<td>99384</td>
<td>Z00.121</td>
<td>Encounter for routine child health exam with abnormal findings (use additional code to identify abnormal findings)</td>
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<td>Z00.129</td>
<td>Encounter for routine child health exam without abnormal findings</td>
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<td>Z00.129</td>
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### Codes for Established Pt Well

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<th>CPT</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>99391</td>
<td>Z00.110</td>
<td>Health examination for newborn under 8 days old</td>
</tr>
<tr>
<td></td>
<td>Z00.111</td>
<td>Health examination for newborn 8-28 days old</td>
</tr>
<tr>
<td></td>
<td>Z00.121</td>
<td>Encounter for routine child health exam with abnormal findings (use additional code to identify abnormal findings)</td>
</tr>
<tr>
<td></td>
<td>Z00.129</td>
<td>Encounter for routine child health exam without abnormal findings</td>
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<tr>
<td>99392</td>
<td>Z00.121</td>
<td>Encounter for routine child health exam with abnormal findings (use additional code to identify abnormal findings)</td>
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<td>Z00.129</td>
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<tr>
<td>99393</td>
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<td>Z00.129</td>
<td>Encounter for routine child health exam without abnormal findings</td>
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<td>Z00.121</td>
<td>Encounter for routine child health exam with abnormal findings (use additional code to identify abnormal findings)</td>
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<td>Z00.129</td>
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<td>99395</td>
<td>Z00.121</td>
<td>Encounter for routine child health exam with abnormal findings (use additional code to identify abnormal findings)</td>
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<td>Z00.129</td>
<td>Encounter for routine child health exam without abnormal findings</td>
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<td></td>
<td>Z00.01</td>
<td>Encounter for general adult medical exam with abnormal findings (use additional code to identify abnormal findings)</td>
</tr>
<tr>
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<td>Z00.00</td>
<td>Encounter for routine child health exam without abnormal findings</td>
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</table>
### Codes for Wellness Services

<table>
<thead>
<tr>
<th>CPT</th>
<th>ICD-10</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>96110</td>
<td>Z00.121</td>
<td>Encounter for routine child health exam with abnormal findings (use additional code to identify abnormal findings)</td>
</tr>
<tr>
<td>96110</td>
<td>Z00.129</td>
<td>Encounter for routine child health exam without abnormal findings</td>
</tr>
<tr>
<td>96110</td>
<td>Z13.14</td>
<td>Encounter for screening for certain developmental disorders in childhood (developmental handicaps in early childhood; Excludes: Z00.110, Z00.111, Z00.121, Z00.129)</td>
</tr>
<tr>
<td>96127</td>
<td>Z13.89</td>
<td>Encounter for screening for other disorders (behavioral disorder)</td>
</tr>
<tr>
<td>99420</td>
<td>Z00.121</td>
<td>Encounter for routine child health exam with abnormal findings (use additional code to identify abnormal findings)</td>
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<tr>
<td>99420</td>
<td>Z00.129</td>
<td>Encounter for routine child health exam without abnormal findings</td>
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<td>99420</td>
<td>Z00.121</td>
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<td>99173</td>
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<td>99173</td>
<td>Z00.129</td>
<td>Encounter for routine child health exam without abnormal findings</td>
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<td>99173</td>
<td>Z00.01</td>
<td>Encounter for general adult medical exam with abnormal findings (use additional code to identify abnormal findings)</td>
</tr>
<tr>
<td>99173</td>
<td>Z00.00</td>
<td>Encounter for routine child health exam without abnormal findings</td>
</tr>
</tbody>
</table>

### Z23

Encounter for immunization (Code first any routine childhood examination; procedure codes are required to identify they types of immunizations given)
Putting It All Together!!!
Coding Sick Encounters
Coding Well Encounters
Coding Sick and Well Encounters
Coding vaccines

ICD-10 Coding Scenarios: Sick Visit
• Sick Visit
  – 7 y/o WM presents with a CC of sore throat, rash and fever. PE showed o/p with petechiae on palate and 3+ red tonsils with scarlitiniform rash on abdomen and groin area
  – Lab was positive for Strep
• Dx:  1. J02.0 Strep pharyngitis
  2. A38.9 Scarlet fever, uncomplicated

Note: fever not included because assumed in J02.0
### Crosswalks from ICD-9 to ICD-10

<table>
<thead>
<tr>
<th>ICD-9</th>
<th>ICD-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>034 Strep sore throat and scarlet fever</td>
<td>J02 Acute Pharyngitis</td>
</tr>
<tr>
<td>034.0 Strep Pharyngitis</td>
<td>J02.0 Strep Pharyngitis/Sore Throat</td>
</tr>
<tr>
<td>034.1 Scarlet Fever</td>
<td>A38 Scarlet Fever</td>
</tr>
<tr>
<td>Excludes parascarlatina (057.8)</td>
<td>A38.0 Scarlet fever with OM</td>
</tr>
<tr>
<td></td>
<td>A38.1 Scarlet fever with myocarditis</td>
</tr>
<tr>
<td></td>
<td>A38.8 Scarlet fever with other complications</td>
</tr>
<tr>
<td></td>
<td>A38.9 Scarlet fever, uncomplicated</td>
</tr>
</tbody>
</table>

### ICD-10 Coding Scenarios: Well Visit

- **Well Visit**
  - 1. A new pt 7 day old BF presents for a well exam
    - E/M code 99381 with Z00.110 (under 8 days)
  - 2. An established pt 12 day old HM presents for a well exam
    - E/M code 99391 with Z00.111 (8-28 days)
• A 18 month old established pt presents for well exam without abnormal findings and get an ASQ and MCHAT with a vaccine
  1. E/M 99391 with code Z00.129 with modifier 25
  2. ASQ 96110 with code Z00.129
  3. MCHAT 96110 with code Z00.129 modifier 59
  4. Hep A 90633 with code Z23
  5. Admin 90460 with code Z23

Well and Sick

• A 3 year old established pt presents for well exam and has an acute right suppurative otitis media and is afebrile. Given a script for antibiotics. Hx is expanded problem focus and MDM is moderate. Mom still wants well exam with flu vaccine done because hard to get out of work.
  • E/M 99392 with code Z00.121(well with abnormal findings)
  • E/M 99213 with code H66.001(OM, acute, suppurative, right)
  • ASQ 96110 with code Z00.121
  • Flu 90688 with code Z23 (vaccine administered)
• **Vaccine Only:**
  • Encounter for Flu administration only for a 5 year old:
    – Flu 90688 with Z23
    – Admin 90460 with Z23

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**Crosswalks from ICD-9 to ICD-10**

<table>
<thead>
<tr>
<th>ICD-9</th>
<th>ICD-10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>V20.31</strong> Health Supervision for Newborn Under 8 days old Excludes: health check for child over 28 days (V20.2)</td>
<td><strong>Z00.11</strong> Health Check for Child Under 29 days old <strong>Use additional code to identify any abnormal findings</strong> Excludes:1: health check for child over 28 days old (200.121, 200.129)</td>
</tr>
<tr>
<td><strong>V20.32</strong> Health Supervision for Newborn 8 to 28 days old Excludes: health check for child over 28 days (V20.2)</td>
<td><strong>Z00.10</strong> Health exam for newborn; under 8 days old</td>
</tr>
<tr>
<td><strong>V20.2</strong> Routine Infant or Child Health Check over 28 days old Excludes: health check for child under 29 days old (V20.31- V20.32) special screening for developmental handicaps (V79.3)</td>
<td><strong>Z00.111</strong> Newborn weight check</td>
</tr>
</tbody>
</table>
ICD-10 Coding Scenarios

• Sick & Well Visit
  – 2 y/o HM presents for a well exam and follow-up evaluation of a burn on chest 3 months ago when patient reached for coffee mug on counter containing hot water, had initial and subsequent care done in Mexico
  • Dx: 1. Z01.121 Encounter for routine child health exam with abnormal findings
    2. L90.5 Scar conditions and fibrosis of skin
    3. T21.22XS Burn of second degree of chest wall sequela
    4. X12.XXXS Contact with other hot fluids sequela

Crosswalks from ICD-9 to ICD-10

<table>
<thead>
<tr>
<th>ICD-9</th>
<th>ICD-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>942</td>
<td>Burn of Trunk&lt;br&gt;Excludes: scapular region (943.0-943.5 with 5th digit 6)</td>
</tr>
<tr>
<td>942.2</td>
<td>Blisters, epidermal loss [second degree]</td>
</tr>
<tr>
<td>5th Digit</td>
<td>0 trunk, unspecified site&lt;br&gt;1 breast&lt;br&gt;2 chest wall, excluding breast &amp; nipple&lt;br&gt;3 abdominal wall&lt;br&gt;4 back [any part]&lt;br&gt;5 genitalia&lt;br&gt;9 other and multiple sites of trunk</td>
</tr>
</tbody>
</table>

| T21 | Burn & Corrosion of Trunk<br>Includes: burns & corrosion of hip region<br>Excludes2: burns and corrosion of axilla (T22.04, T22.14, T22.24, T22.34) burns and corrosion of scapular region (T22.06, T22.16, T22.26, T22.36) burns and corrosion of shoulder (T22.05, T22.15, T22.25, T22.35) |
| 4th | Burn of second degree of trunk<br>Use additional external cause code<br>Identify the source, place and intent of the burn (X00-X19, X75-X77, X96-X98, Y92) |
| 7th Characters for categories T20-T25 | A initial encounter<br>D subsequent encounter<br>S sequela |
Review of Billing: 
Highlights to Remember!
• New CMS 1500 Form has 12 dx places vs 4 dx
• Update fee schedule q year
• Turn in Superbills within 24 to 48 hours to get billing out in time and increase revenue
• Scrub Superbills
• Ensure ICD code corresponds with CPT code

Example of CMS 1500 Form
Billing Highlights

• Watch paper/electronic remittance advice (RA) (payments) for denials or any other issues
• Example of an RA
• Autoposting vs Manual posting
• For ICD 10-Remember to discuss with EHR, clearinghouses to make sure all ready and keep close tabs during transition for denials
• Concern for payment delays during transition (look at AR for pt and insurance and work on balances to keep cash flow up now)

Modifiers

• Modifiers need to put in proper modifiers for proper claim adjudication to prevent denials and delay of payments
• Add appropriate Modifiers according to Insurance Guidelines (i.e. 25, 59, 76, 50, QW, etc)
• Need to follow the payer rules
Modifier Definitions

- **Modifier 25 definition**: Significant, separately identifiable E/M service by the same physician or other qualified Health Care Professional on the same day of the procedure or other service

- **Modifier 59 definition**: indicates that a procedure or service was distinct or independent from other non E/M services performed on the same day

National Drug Code: NDC

- Don’t forget to include the NDC numbers for proper payment that includes:
  - vaccines
  - medications ie Rocephin, Prednisolone, Decadron etc
CONGRATULATIONS!!!
YOU MADE IT!!!

Conclusion

• We have dedicated our lives to patient care
• By continuing education we can improve:
  – our bottom line
  – quality of health care for our patients
  – the financial health of our medical homes
  – Keeping the joy of medicine!!
• Remember we can help our patients best if we balance our own lives and work together as a team!
References

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• 2015 ICD-10-CM AAPC
• 2015 CPT Professional Edition, AMA
• 2015 HCPCS Level II, Optum Insight