Optimizing Anatomy and Physiology Review for ICD-10

82nd AHIMA Convention and Exhibit
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3M Health Information Systems
What is ICD-10?

Language of healthcare

- **ICD-10 CM (Diagnosis Codes)**
  (International Classification of Diseases, Tenth Revision, Clinical Modification CMS-0013-P)

- **ICD-10 PCS (Procedure Codes)**
  (International Classification of Diseases, Tenth Revision, Procedure Coding System)
## New Code Set

### Diagnosis

<table>
<thead>
<tr>
<th></th>
<th>ICD-9 CM</th>
<th>ICD-10 CM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>In &amp; Outpatient</strong></td>
<td>~13,000</td>
<td>~68,000</td>
</tr>
<tr>
<td><strong># of Codes</strong></td>
<td>~13,000</td>
<td>~68,000</td>
</tr>
<tr>
<td><strong># of Characters</strong></td>
<td>3-5 Alphanumeric</td>
<td>3-7 Alphanumeric</td>
</tr>
</tbody>
</table>

### Procedure

<table>
<thead>
<tr>
<th></th>
<th>ICD-9 CM</th>
<th>ICD-10 PCS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inpatient Only</strong></td>
<td>~4,000</td>
<td>~72,000</td>
</tr>
<tr>
<td><strong># of Codes</strong></td>
<td>~4,000</td>
<td>~72,000</td>
</tr>
<tr>
<td><strong># of Characters</strong></td>
<td>3-4 Numeric</td>
<td>7 Alphanumeric</td>
</tr>
</tbody>
</table>

NOTE: CPT codes will continue to be used for hospital outpatient procedure coding
### ICD-9-CM Mechanical Complication of Other Vascular Device, Implant and Graft

One code (996.1)

### ICD-10-CM Mechanical Complication of Other Vascular Grafts

112 codes

<table>
<thead>
<tr>
<th>Type</th>
<th>Device</th>
<th>Episode of Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breakdown</td>
<td>Graft, Aorta</td>
<td>Initial encounter</td>
</tr>
<tr>
<td>Leakage</td>
<td>Graft, Carotid artery</td>
<td>Subsequent encounter</td>
</tr>
<tr>
<td>Displacement</td>
<td>Graft, Femoral artery</td>
<td></td>
</tr>
<tr>
<td>Other (obstruction)</td>
<td>Dialysis catheter</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Arteriovenous fistula</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Arteriovenous shunt</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Counterpulsation balloon</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Infusion catheter</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Umbrella device</td>
<td></td>
</tr>
</tbody>
</table>
A New Language ICD-10 PCS

- Designed with the capacity to identify every distinct procedure
**ICD-9-CM Suture of Artery:** One code (39.31)

**ICD-10-PCS Repair of Artery:** 204 codes

<table>
<thead>
<tr>
<th>Approach</th>
<th>Body Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-Open</td>
<td>Abdominal Aorta</td>
</tr>
<tr>
<td>3-Percutanrous</td>
<td>Common Carotid Artery</td>
</tr>
<tr>
<td>4-Percutaneous Endoscopic</td>
<td>Radial Artery</td>
</tr>
</tbody>
</table>

... 68 Different Arteries...
A New Language Built of Basic Concepts

- Designed with the capacity to identify every distinct procedure
  - through application of system-wide standardized components
System Structure

- Most coding systems
- ICD-10-PCS
<table>
<thead>
<tr>
<th>Section</th>
<th>Body System</th>
<th>Operation</th>
<th>Body Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Medical and Surgical</td>
<td>B</td>
<td>Esophagus, Upper</td>
</tr>
<tr>
<td>1</td>
<td>Gastrointestinal System</td>
<td>B</td>
<td>Esophagus, Middle</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>B</td>
<td>Esophagus, Lower</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>B</td>
<td>Esophagogastric Junction</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>B</td>
<td>Esophagus</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>B</td>
<td>Stomach</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>B</td>
<td>Stomach, Pylorus</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>B</td>
<td>Small Intestine</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>B</td>
<td>Duodenum</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>B</td>
<td>Jejunum</td>
</tr>
<tr>
<td>A</td>
<td></td>
<td>B</td>
<td>Ileum</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>B</td>
<td>Ileocecal Valve</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>B</td>
<td>Large Intestine</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>B</td>
<td>Large Intestine, Right</td>
</tr>
<tr>
<td>E</td>
<td></td>
<td>B</td>
<td>Large Intestine, Left</td>
</tr>
<tr>
<td>F</td>
<td></td>
<td>B</td>
<td>Cecum</td>
</tr>
<tr>
<td>G</td>
<td></td>
<td>B</td>
<td>Appendix</td>
</tr>
<tr>
<td>H</td>
<td></td>
<td>B</td>
<td>Ascending Colon</td>
</tr>
<tr>
<td>I</td>
<td></td>
<td>B</td>
<td>Transverse Colon</td>
</tr>
<tr>
<td>J</td>
<td></td>
<td>B</td>
<td>Descending Colon</td>
</tr>
<tr>
<td>K</td>
<td></td>
<td>B</td>
<td>Sigmoid Colon</td>
</tr>
<tr>
<td>L</td>
<td></td>
<td>B</td>
<td>Rectum</td>
</tr>
<tr>
<td>M</td>
<td></td>
<td>B</td>
<td>Anus</td>
</tr>
<tr>
<td>N</td>
<td></td>
<td>B</td>
<td>Anal Sphincter</td>
</tr>
<tr>
<td>O</td>
<td></td>
<td>B</td>
<td>Greater Omentum</td>
</tr>
<tr>
<td>P</td>
<td></td>
<td>B</td>
<td>Lesser Omentum</td>
</tr>
<tr>
<td>Q</td>
<td></td>
<td>B</td>
<td>Mesentery</td>
</tr>
<tr>
<td>R</td>
<td></td>
<td>B</td>
<td>Peritoneum</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Approach</th>
<th>Device</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 Open</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>1 Percutaneous</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>2 Percutaneous Endoscopic</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>3 Via Natural or Artificial Opening</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>4 Via Natural or Artificial Opening Endoscopic</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>5 Via Natural or Artificial Opening</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>6 Via Natural or Artificial Opening Endoscopic</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>7 Via Natural or Artificial Opening</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>8 Via Natural or Artificial Opening Endoscopic</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>9 External</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>10 No Device</td>
<td>Z</td>
<td>X</td>
</tr>
<tr>
<td>11 No Qualifier</td>
<td>Z</td>
<td>X</td>
</tr>
</tbody>
</table>

AHIMA Convention & Exhibit
ORLANDO
SEPTEMBER 25-30, 2010
System Structure: Characters

• A character is a stable, standardized code component
  – Holds a fixed place in the code
  – Retains its meaning across a range of codes

  – The Medical and Surgical section characters are…
System Structure: Section Characters

- Medical and Surgical
- Obstetrics
- Placement
- Administration
- Other Procedures
- Chiropractic
- Imaging
- Nuclear Medicine
- Radiation Oncology
- Physical Rehabilitation and Diagnostic Audiology
- Mental Health
- Substance Abuse Treatment
- Extracorporeal Assistance & Performance
- Extracorporeal Therapies
- Osteopathic
- Measurement & Monitoring
- Extracorporeal Therapies
- Osteopathic
System Structure: Values

- A value is an individual unit defined for each character
  - Applicable values depend on surrounding characters
### Picture it:
Each Value has Meaning

<table>
<thead>
<tr>
<th>Section</th>
<th>Body System</th>
<th>Root Operation</th>
<th>Body Part</th>
<th>Approach</th>
</tr>
</thead>
</table>

![Images related to medical terminology]

[www.ahima.org/events/convention](http://www.ahima.org/events/convention)
## Multi-axial Structure: Learn a Value, Apply as Needed

<table>
<thead>
<tr>
<th>Section</th>
<th>Body System</th>
<th>Root Operation</th>
<th>Body Part</th>
<th>Approach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Med/Surg</td>
<td>Central Nervous</td>
<td>Drainage</td>
<td>Epidural Space</td>
<td>Percutaneous</td>
</tr>
</tbody>
</table>

**0** 1 9 4 3**

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*AHIMA Convention & Exhibit 2010 ORLANDO September 25-30, 2010*
Multi-axial Structure is the Foundation of PCS Tables

- Tables contain applicable values
- Limited to choices in one row at a time

<table>
<thead>
<tr>
<th>Body Part Character 4</th>
<th>Approach Character 5</th>
<th>Device Character 6</th>
<th>Qualifier Character 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>.</td>
<td>0 Open</td>
<td>Z No Device</td>
<td>X Diagnostic</td>
</tr>
<tr>
<td>6 Stomach</td>
<td>3 Percutaneous</td>
<td>Z No Device</td>
<td>Z No Qualifier</td>
</tr>
<tr>
<td>7 Stomach, Pylorus</td>
<td>4 Percutaneous Endoscopic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Duodenum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A Jejunum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B Ileum</td>
<td></td>
<td></td>
<td></td>
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<td>.</td>
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<td></td>
<td></td>
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</tr>
</tbody>
</table>

**0: MEDICAL AND SURGICAL**
**D: GASTROINTESTINAL**
**B: EXCISION:** Cutting out or off, without replacement, a portion of a body part
PCS Tables are Easily Updated

- When medical practice changes
- Add the applicable new value to create a unique procedure description

<table>
<thead>
<tr>
<th>Body Part Character 4</th>
<th>Approach Character 5</th>
<th>Device Character 6</th>
<th>Qualifier Character 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>.</td>
<td>0 Open</td>
<td>Z No Device</td>
<td>X Diagnostic</td>
</tr>
<tr>
<td>.</td>
<td>3 Percutaneous</td>
<td></td>
<td>Z No Qualifier</td>
</tr>
<tr>
<td>6 Stomach</td>
<td>4 Percutaneous</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 Stomach, Pylorus</td>
<td>7 Via Natural or Artificial Opening</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Duodenum</td>
<td>8 Via Natural or Artificial Opening Endoscopic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A Jejunum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B Ileum</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

0: MEDICAL AND SURGICAL
D: GASTROINTESTINAL
B: EXCISION: Cutting out or off, without replacement, a portion of a body part
“Open biopsy of the stomach”
“EGD with biopsy of the stomach”
According to PCS a Procedure is...

The complete specification of the seven characters

- In other words…
  - A procedure is a PCS code

- **Not** an operative episode
- Code whatever it takes
  - To fully specify the work performed
  - According to applicable guidelines
Learning ICD-10-PCS: The Big Picture

• Users must learn, and then apply, system concepts
Applying ICD-10-PCS=Translating

- Users must “translate” a procedure report into the applicable PCS concepts
PCS Values in Practice

• Some match common terms

• Some are more detailed than common terms

• Some are unfamiliar
PCS Values in Practice

• Some match common terms

Y Transplantation (3rd character)
Putting in or on all or a portion of a living body part taken from another individual or animal to physically take the place and/or function of all or a portion of a similar body part
PCS Values in Practice

• Some are more detailed than common terms

3 Percutaneous (5\textsuperscript{th} character)
Entry, by puncture or minor incision, of instrumentation through the skin or mucous membrane and any other body layers necessary to reach the site of the procedure
PCS Values in Practice

- Some are unfamiliar

**S Reposition** *(3rd character)*
Moving to its normal location or other suitable location all or a portion of a body part

*Example*: fracture reduction, orchiopexy
Translating to PCS Values

- Abstract out the essential action(s)
- Picture the action(s) in PCS terms
- Assign the corresponding PCS value
Translating to a Root-operation Value

“...the homograft irradiated cartilage was then trimmed to create a strut to fit into the defect between the upper lateral cartilage and the septal cartilage.”

Putting in or on biological or synthetic material that physically takes the place of all or a portion of a body part

Root operation (3rd character)
R Replacement
Translating to an Approach Value

“...an incision was made over the medial aspect of the left foot and carried down through the subcutaneous tissue to the proximal phalanx.”

Cutting through the skin or mucous membrane and any other body layers to expose the site of the procedure

Approach (5th character)
0 Open
Applying Common Terms to Root-operation Definitions

**P Removal (3rd character)**

Taking out or off a device from a body part

- The same word can mean many things in medical practice
  - Removal
    - Of gallbladder
    - Of pacemaker
    - Of thrombus

- Only one of these meets the PCS definition of Removal
Reading Procedure Reports for Root-operation Values

• 30 root-operation values
  – Most can be ruled out initially

• Look for key words specifying the objective
  – Graft repair = Replacement
  – Adhesiolysis = Release
  – Lithotripsy = Fragmentation

• Look for key distinctions
  – A portion or all of a body part?
  – Cut out or pulled/stripped out?
Translating to Root-operation Values

“...large amounts of clot were evacuated until all clots were removed, resulting in excellent arterial flow and brisk back venous flow.”

Taking or cutting out solid matter from a body part

Root operation (3rd character)
C Extirpation
Translating to Root-operation Values

“...polyp was successfully ablated with the bipolar cauterity tip.”

Eradicating all or a portion of a body part

Root operation (3rd character)
5 Destruction
Approach Values

Defines the technique used to reach the site of the procedure

5th character in Med/Surg and related sections

- Definitions are modular
  - External
    - Basic approaches
      - 0 Open
      - 3 Percutaneous
      - 7 Via …Opening
    - Add-ons
      - 4 Percutaneous Endoscopic
      - 8 Via …Opening Endoscopic
      - F Via … Opening percutaneous Endoscopic
Basic Approach Values

0 Open
Cutting through the skin or mucous membrane…

3 Percutaneous
Entry by puncture or minor incision…

7 Via Natural or Artificial Opening
Entry of instrumentation through a natural or artificial orifice…
Approach Value Variations

**Endoscopic**
…to reach and visualize the site of the procedure

**External**
Procedures performed directly on the skin or mucous membrane…
Translating to Approach Values

“...after routine prep and drape, a wide excision was carried out around the lesion of the nose that had been previously excised and was found to have positive margins for carcinoma.”

Procedures performed directly on an epithelial surface…

Approach (5\textsuperscript{th} character)

X External
Translating to Approach Values

“...bronchoscope is introduced through the right nares, and passed by the vocal cords, into the trachea, and into the right mainstem bronchus where a malignancy nearly occludes the bronchus.”

Entry of instrumentation through a natural or artificial external orifice to reach and visualize the site of the procedure

Approach (5th character)

8 Via Natural or Artificial Opening Endoscopic
Body-system and Body-part Values

**Body System** (2nd character)
Defines the general physiological system/anatomical region on which the procedure is performed

**Body Part** (4th character)
Defines the specific anatomical site where the procedure is performed
A Precise Location

- **Dependent Pair**

A body-part value has no clear meaning without a body-system value

0 ? * 6

Stomach <-> Scapula, Left

Fallopian Tubes, Bilateral
A Precise Location Defined

- **Dependent Pair**
  Once the body-system value is assigned, a body-part value’s meaning is clear

0 1 * 6 ***

Peripheral Nervous  Radial Nerve
Specific Body-part Values

- **Left and Right**
  - Vessels (Femoral Artery, Right)
  - Musculoskeletal (Patella, Left)

- **Anatomical subdivision**
  - Lobe (Upper Lung Lobe, Left)
  - Intestinal segment (Transverse Colon)

- **Anatomical region**
  - Body layers (Subcutaneous Tissue, Chest)
  - Musculoskeletal support structures (Upper Leg Muscle, Right)
Anatomy Review for ICD-10-PCS
Body-system Values

0 Central Nervous System
1 Peripheral Nervous System
2 Heart and Great Vessels
3 Upper Arteries
4 Lower Arteries
5 Upper Veins
6 Lower Veins
7 Lymphatic and Hemic System
8 Eye
9 Ear, Nose, Sinus
B Respiratory System
C Mouth and Throat
D Gastrointestinal System
F Hepatobiliary System and Pancreas
G Endocrine System
H Skin and Breast
J Subcutaneous Tissue and Fascia
K Muscles
L Tendons
M Bursae and Ligaments
N Head and Facial Bones
P Upper Bones
Q Lower Bones
R Upper Joints
S Lower Joints
T Urinary System
U Female Reproductive System
V Male Reproductive System

Anatomical Regions
W General
X Upper Extremities
Y Lower Extremities
Body-part Values: Level of Specificity

- Simple to assign
  - Sigmoid Colon
  - Ovary

- More work to assign
  - Glenoid Cavity, Right
  - Lower Lobe Bronchus, Left
Central Nervous System

Body-part Values

- Includes brain, spinal cord and cranial nerves

Focus on...

- Meninges
  - Cerebral
    - Dura mater
  - Spinal
- Spaces
  - Epidural
  - Subdural
  - Subarachnoid
Translating to Body-part Values

“...On the left side the dura was markedly adherent and very thin, and this resulted in a partial dural laceration superiorly, well away from the frontal sinus. This was copiously irrigated and vigorous hemostasis obtained, and a single suture placed.”
Peripheral Nervous System Body-part Values

- Includes peripheral nerves and plexi

Focus on...

- Somatic or Sympathetic?
  - Somatic
    - Subdivided by name
      - Brachial plexus
      - Radial Nerve
  - Sympathetic nerves
    - Subdivided by body region
      Head and neck  Thoracic
      Abdominal  Lumbar
      Sacral
Translating to Body-part Values

“...endoscopic carpal tunnel release was then made one cm proximal and radial to the pisiform...the release was visualized in its entirety and noted to be complete.”
Nerves and Vessels

“Nerves and vessels that are not identified by a separate body-part value are coded to the closest proximal branch identified by a body-part value.”
Translating to Body-part Values

“…an insulated Touhy needle was advanced. Nerve stimulation was present at the sciatic nerve, and a catheter advanced and sutured in place…”

<table>
<thead>
<tr>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
<th>5th</th>
<th>6th</th>
<th>7th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section</td>
<td>Root Operation</td>
<td>Approach</td>
<td></td>
<td></td>
<td></td>
<td>Qualifier</td>
</tr>
</tbody>
</table>

Peripheral Nervous | Peripheral Nerve | Device
Eye

Body-part Values

• Includes specific eye, eyelid, and lacrimal body parts

Focus on…

• Tissue Layers
  – Conjunctiva
  – Sclera
  – Choroid

• Anterior Chamber, Whole and Parts
  – Anterior Chamber
  – Cornea
  – Iris
Translating to Body-part Values

“...foreign body was located at the corneal sclera, the 2 o’clock position. . .”

Diagram:

- 1st: Section
- 2nd: Root Operation
- 3rd: Approach
- 4th: Eye
- 5th: Qualifier
- 6th: Device
- 7th: Sclera
Ear, Nose, Sinus Body-part Values

- Includes specific internal and external ear, nose, and sinus body parts

Focus on...

- Middle Ear, Whole and Parts
  - Middle Ear
  - Auditory Ossicles
  - Tympanic Membrane

- Inner Ear
Translating to Body-part Values

“...the middle ear was entered inferiorly and the annulus lifted up out of the groove, which brought into view a large cholesteatoma that extended down toward the hypotympanic region and covered the incus and stapes.”
Hepatobiliary and Pancreas Body-part Values

- Includes liver, pancreas and associated ducts

Focus on...

- Ducts
  - Hepatic (2)
  - Cystic
  - Common Bile
  - Pancreatic
  - Pancreatic accessory

- Liver Lobes
  - Right
  - Left
Translating to Body-part Values

“...the needle was advanced over the guidewire through the right hepatic vein, unsheathed, and advanced into the liver in standard fashion. Six passes were performed returning several good-sized specimens.”
Muscle and Tendon Body-part Values

• Includes all voluntary muscles by body region

Focus on…

• No Latin names
  – By anatomical subdivision

• Body regions
  – Shoulder, chest or upper arm?
  – Wrist or hand?
  – Ankle or foot?
Translating to Body-part Values

“...laceration extended laterally into the right pectoralis major. This was closed with a running suture of 2-0 Vicryl.”
Upper Bone Body-part Values

- Bones above lumbar vertebrae plus upper extremities

Focus on...

- Shoulder
  - Scapula
  - Glenoid cavity
  - Clavicle

- Humerus
  - Head
  - Shaft
Translating to Body-part Values

“…after dividing the capsule the distal humerus was visualized where a notable osteochondroma was identified. This was widely resected.”
Lower Bone Body-part Values

• Includes lumbar vertebrae and below, lower extremities

Focus on...

• Pelvis and Hip
  – Acetabulum
  – Pelvic bone

• Femur
  – Upper femur
  – Femoral shaft
  – Lower Femur
Translating to Body-part Values

“...incision extended down to the site of the persistently displaced left lateral malleolus. Two 3.5 mm cortical lag screws were placed which produced adequate anatomic reduction.”
Upper Joint Body-part Values

• Joints above lumbar vertebrae plus extremities

Focus on…

• Shoulder
  – Sternoclavicular
  – Acromioclavicular
  – Shoulder (glenohumeral)

• Wrist and Hand
  – Wrist
  – Carpal
  – Metacarpocarpal
  – Metacarpophalangeal
  – Phalangeal
Translating to Body-part Values

“...the arthroscope was placed into the left glenohumeral articular confines, where dusky pink fluid was noted. Arthrocentesis was performed, removing 10cc of blood-tinged fluid.”
Lower Joint Body-part Values

• Includes lumbar vertebrae and below, lower extremities

Focus on…

• Vertebral Discs
  – Differentiated from vertebral joint
  – Separate value for each spinal region
    • Lumbar, lumbosacral

• Ankle and Foot
  – Ankle
  – Metatarsal-Tarsal
  – Metatarsal-Phalangeal
  – Phalangeal
Translating to Body-part Values

“...the nerve root and dural sac were reflected medially exposing a prominent herniated disk at the L5-S1 level. Much of the contents of the disk were removed using pituitary rongeurs.”
Planning for Change

• Hospital-wide readiness
  – Starts with HIM
• Coders’ skills
  – Anatomy
  – Reading comprehension
• Physician education
  – Understanding level of specificity
Gearing up for ICD-10

• Invest in quality training

• Comprehensive on basic principles
  – Focus on difficult areas

• Plenty of hands-on practice
A Classification System is only as good as...
Optimizing Anatomy and Physiology Review for ICD-10

82nd AHIMA Convention and Exhibit
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