Indiana University Health

ICD-10 Physician Education

Advanced Heart and Lung Care Center
Training Objectives

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

<table>
<thead>
<tr>
<th>What Will Change</th>
<th>What Remains the Same</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code Structure</td>
<td>DRGs</td>
</tr>
<tr>
<td>Up to 7 characters</td>
<td></td>
</tr>
<tr>
<td>Alpha-numeric codes</td>
<td>CPT, HCPCS, E&amp;M Codes</td>
</tr>
<tr>
<td>Diagnosis Code Volume</td>
<td>Reimbursement methodology (awaiting finalization)</td>
</tr>
<tr>
<td>14,025 to 69,823</td>
<td></td>
</tr>
</tbody>
</table>

**Diagnosis Code Structural Change**

<table>
<thead>
<tr>
<th>ICD-9</th>
<th>ICD-10-CM</th>
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</thead>
<tbody>
<tr>
<td>Category</td>
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<tr>
<td>Etiology, anatomic site,</td>
<td>Etiology, anatomic site,</td>
</tr>
<tr>
<td>manifestation</td>
<td>extension</td>
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</tbody>
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Reference: CMS
Atherosclerosis

• Location
  – Native artery vs bypass graft (biological vs non-biologic)
  – Laterality (when applicable)

• Manifestations
  – Angina
    • Stable, unstable, new onset
    • Supply or demand causes
    • Presence of documented spasm
Common Cardiac Diseases

- Heart Failure
  - Acute, chronic or both
  - Systolic, diastolic, or both

- Pericarditis
  - Acute, idiopathic, constrictive

- Myocarditis
  - Idiopathic, septic

- Valve disorders
  - Identify valve
  - Stenosis, insufficiency, both

- Atrioventricular Block
  - First degree, second degree, complete, other
  - 426.50 (bundle branch block) translates to atrioventricular blocks in ICD-10

- Atrial Fibrillation
  - Paroxysmal, chronic, persistent, unspecified

- Atrial Flutter
  - Persistent, typical, atypical, unspecified
Expansion of Cardiac Diagnoses

- Certain sequelae of myocardial infarction, not elsewhere classified, other expansion
  
  **I23.0** – Hemopericardium as current complication following acute myocardial infarction
  
  **I23.3** – Rupture of cardiac wall without hemopericardium as current complication following acute myocardial infarction
  
  **I23.6** – Thrombosis of atrium, auricular appendage and ventricle as current complications following acute myocardial infarction
  
  **I23.7** – Postinfarction angina
  
  **I23.8** – Other current complications following acute myocardial infarction
• Acute venous embolism and thrombosis of unspecified deep vessels of lower extremity expansion

**I82.401** – Acute embolism and thrombosis of unspecified deep veins of lower right extremity

**I82.402** – Acute embolism and thrombosis of unspecified deep veins of lower left extremity

**I82.403** – Acute embolism and thrombosis of unspecified deep veins of lower extremity, bilateral

**I82.409** – Acute embolism and thrombosis of unspecified deep veins of unspecified lower extremity
Additional Comorbid Conditions

- Diabetes
  - Type
  - Manifestations
  - Long-term use of insulin
  - Insulin pump
  - Gestational
- Overweight, obesity, morbid obesity
  - Specify BMI
- Anemia
  - Etiology/Type
  - Due to chronic disease
- Tobacco
  - Identify product
  - Identify use, abuse, or dependence
- Obstructive sleep apnea
• Chronic Kidney Disease
  – Stage or ESRD
  – Link etiology
  – Manifestations
  – Usage of dialysis

• COPD
  – Identify underlying condition(s)
  – Exacerbation/decompensation
  – Identify acute infections
Signs and Symptoms

- **Site/Laterality/Quadrant**
  - Abdominal tenderness
  - Abdominal/pelvic swelling, mass, lump
  - Abdominal rigidity
  - Abdominal pain

- **Edema**
  - Localized,
  - Generalized
  - Unspecified

- **Chest Pain**

- **Other respiratory abnormalities**
  - Periodic breathing
  - Snoring
  - Dyspnea
  - Other abnormalities of breathing

- **Gangrene**
  - Link to underlying etiology
    - Diabetes (peripheral angiopathy)
    - Atherosclerosis (bypass graft)
  - Laterality (when applicable)
Complications of Devices or Grafts

- Type of device or graft
- Complication type
  - Breakdown
  - Displacement
  - Embolism
  - Failure
  - Hemorrhage
  - Infection
  - Leakage
  - Rejection
  - Thrombosis

- Identify:
  - Episode of care (from the patient’s perspective)
    - Initial (presentation)
    - Subsequent (routine or delayed healing)
    - Sequela (late effect after initial injury/event has healed)
Z Codes (Formerly V Codes)

- Encounter for immunization
  - All immunizations will utilize the same diagnosis code

- Encounter for observation for medical examination: expansion
  - With or without abnormal findings

- Long-term usage of anticoagulants

- Status (postprocedural)
  - PTCA
  - Organ Transplant
  - Device Insertion
  - Defibrillator / Pacemaker

- Awaiting Organ Transplant Status (Z76.82)
Additional Educational Opportunities

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

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