PREPARING FOR ICD-10-CM/PCS

OSHPD EXPERIENCE IN CALIFORNIA

APRIL 2012

Ginger Cox, RHIT, CCS
Consultant
UC Davis Center of Health Policy and Research
Awareness

• ICD-10 Code Sets named by HIPAA
• Compliance date for ICD-10 – HHS Directive
  – October 1, 2013
  – ICD-9-CM will not be accepted on or after 10/1/2013
  – Possible delay – continue until further notice
• Format lengths, Descriptions, Challenges, Benefits
• Administrative Data collected from 800+ facilities
• Start off with a kickoff and education
• Timeline: 2010 – 2014
• Four Phases: Assess, Implement, Go-Live, Post-Assess
ICD-10-CM
(International Classification of Diseases, 10th Revision, Clinical Modification)
Diagnosis and External Causes

A9x.xxxx

A9x.
Category

XXX
Etiology, Anatomy Site

X
Character
ICD-10-PCS
(International Classification of Diseases, 10th Revision, Procedure Coding System)
Inpatient Procedure
ICD-9-CM External Cause (E codes) - *See proper terms below.*

Fall from wheelchair

ICD-10-CM External Cause (V, W, X, Y codes) - *See proper terms below.*

Fall from non-moving wheelchair, initial encounter
Fall from non-moving wheelchair, subsequent encounter
Fall from non-moving wheelchair, *sequela*

Fall from moving (powered) wheelchair, initial encounter
Fall from moving (powered) wheelchair, subsequent encounter
Fall from moving (powered) wheelchair, *sequela*
ICD-10-PCS Challenges


Cholecystectomy
Other partial cholecystectomy
Laparoscopic partial cholecystectomy

ICD-10-PCS Inpatient Procedure – two terms are Excision for partial removal or Resection for total removal. See proper terms below.

Resection of gallbladder, open approach
Resection of gallbladder, percutaneous endoscopic approach

Excision of gallbladder, open approach, diagnostic
Excision of gallbladder, open approach
Excision of gallbladder, percutaneous approach, diagnostic
Excision of gallbladder, percutaneous approach
Excision of gallbladder, percutaneous endoscopic approach, diagnostic
Excision of gallbladder, percutaneous endoscopic approach
# Documentation

<table>
<thead>
<tr>
<th>Dig through the record for specific Information</th>
<th>Types of Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-morbidities</td>
<td>History and Physical</td>
</tr>
<tr>
<td>Manifestations</td>
<td>Consultant</td>
</tr>
<tr>
<td>Etiology/Causation</td>
<td>Operative Report</td>
</tr>
<tr>
<td>Complications</td>
<td>Discharge Summary</td>
</tr>
<tr>
<td>Detailed anatomical locations</td>
<td>Progress Notes</td>
</tr>
<tr>
<td>Sequelae (late effects)</td>
<td>Physician Orders</td>
</tr>
<tr>
<td>Degree of functional impairments</td>
<td>Nursing Notes</td>
</tr>
<tr>
<td>Biologic and chemical agents</td>
<td>Physical Therapy notes</td>
</tr>
<tr>
<td>Phase/Stage</td>
<td>Other clinical notes</td>
</tr>
<tr>
<td>Lymph node involvement</td>
<td>Pathology Report</td>
</tr>
<tr>
<td>Lateralization and localization</td>
<td>X-rays</td>
</tr>
<tr>
<td>Procedure or implant related</td>
<td></td>
</tr>
</tbody>
</table>

When patient is seen, documentation begins. Paper, Hybrid, Electronic.
ICD-10-CM Guidelines

• Official Coding Guidelines are similar, except for codes.

• Few new guidelines were added.

• Myocardial Infarctions
  – ICD-9-CM codes 410 series
  – ICD-10-CM codes I21 and I22 series
  – Number of weeks changed from 8 weeks in ICD-9 to 4 weeks in ICD-10
  – Codes for MI will be reported for duration of 4 weeks (28 days) or less from onset in all healthcare settings.
  – After 4 completed weeks, it is coded as old MI (I25.2)
ICD-10 Readiness!!

- Project Management
- Post-Implementation
- Impact Assessment
- Timelines
- Go-Live
- Information Systems
- Documentation Needs
- Education Training Needs
Phase 1: Impact Assessment

- Determine how and where OSHPD is impacted
- Inventory via face-to-face interviews (6 months)
  - Systems, programs, projects, products
  - Time, estimated costs, education
- Tool – Excel Spreadsheet
  - Process: What do they do
  - Output: What do they produce
  - Input: What do they need
- SharePoint
  - To make changes to their own tool, if desired
  - To evaluate for future needs and assessment of their programs
AHIMA Assessment Tool

AHIMA ICD-10-CM/PCS - Readiness Assessment and Prioritization Tool

<table>
<thead>
<tr>
<th>Importance Weight</th>
<th>Regulatory</th>
<th>Revenue Cycle</th>
<th>Operational Efficiency</th>
<th>Performance Management</th>
<th>Overall ICD-10 Priority Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strategic Category</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Strategy Component: HIM Coding and Reimbursement**
- Encoding software
- Case mix systems
- DRG grouper
- Compliance checking systems

**Strategy Component: Revenue Cycle Management**
- Billing Systems
- Claim submission systems
- Registration and scheduling systems

**Strategy Component: Clinical Systems**
- Test ordering systems
- Pharmacy systems
- Registries
- Patient assessment data sets (PAI, OASIS)

**Key**
- 400-600 - Highest Priority
- 200-399 - Medium Priority
- 0-199 - Low Priority

**Relation to Strategic Category**
- Direct
- Somewhat
- Not
AHIMA Assessment Tool

• “ICD-10-CM/PCS Readiness Assessment and Prioritization Tool”

Face-to-Face Surveys

• For each procedure, the columns include questions:
  – Does it use ICD-9 or not.
  – If yes, then other questions are asked. The responses are Yes, No, Impacted meaning that it is dependent on another item that uses ICD-9 codes.
  – File and Table format changes
  – Application screens (online data collection and edits)
  – Reports and Product changes
  – Edits and logic routines
  – Impacts to internal or external stakeholders (list them)
  – Estimated time to make all changes
  – Estimated time to test and accept changes
  – Updates to documentation
  – Training support
  – Estimated costs to complete changes
Impacts by Divisions

• **Three divisions impacted**
  – Discharge and Encounter Data
  – Dissemination Data
  – Hospital Outcomes Data

• **Three divisions not impacted**
  – Facility seismic building data
  – Facility loan data
  – Health professional education data
Deliverables

• Communication Plan
  – Objective is to keep communication lines open

• ICD-10 Team
  – Representative from every program

• Education and Training Plan
  – Education – prior to business and system changes
  – Training – set of skills related to ICD-10 functions

• Regulation
  – Usually take 1.5 years from justification to implementation

• ICD-10 Product Search
  – To transition and increase staff knowledge base
Deliverables

• **Final Impact Analysis Assessment Report (700+ pages)**
• Impacts to Systems
• Impacts to Projects
• Impacts to Products
• Impacts to People/Program
  – Manner of Impact (how it is impacted)
  – Remediation options and recommendations
  – Estimated timeline for remediation
  – Risks to success
  – Estimated costs and hours
• **Workshop designed specifically to their needs**
System Remediation

• **Feasible Study Report to support system costs**
  - **Minimum** necessary changes with no edits (~$200K)
  - **Moderate** necessary changes with minimal edits and no coding edit program (~$400K)
  - **Maximum** changes, all validations (~$2.6M)
  - **Decisions:** Timeline to meet Oct 2013 date, Produce mandated reports, Use of Grouper on valid codes

• **Timeline:**
  - System Priorities
  - System Code Freeze for ICD-10
  - Development, Test, Production Environments
# Product Remediation

## OSHPD Products Impacted by ICD-10

<table>
<thead>
<tr>
<th>Data Management Office</th>
<th>Mandated</th>
<th>Not Mandated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confidential SAS Dataset</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Common Surgeries and Price Comparison</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Perspectives in Healthcare</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Acceptance Testing Standard Reports (Query results)</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ICD-9 Coding Edit Guide</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Updated ICD-9 Tables in MIRCal (Age, Sex, POA, Coding Edits)</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Turnover Report (with ICD-9 spreadsheets)</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Updated Universe for Business Objects (IP, ED, AS)</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ICD-9 Table: Ad Hoc Report of Codes &amp; Descriptions</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ICD-9 Table: Update or Add In-house groups of codes (for products)</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ICD-9 Table: Tables of new codes in Data Warehouse (for products)</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>ICD-9 Table: Updated table of codes in MIRCal (for validation)</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>15-Day Summary Report (IP, ED &amp; AS)</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Utilization Data Mart Information in Data Warehouse (in-house groups) – this will be discontinued because UDM is not functional.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td><strong>Geographic Information</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reports: Hospital Reports (files): Top 25 MS-DRG</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Report: Hospital Report (files) Hospital Summar</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
Program Remediation

• ICD-10 Team
  – Bring updates to the representatives
  – Keep each other informed of their readiness
  – Keep each other informed of new issues

• Each Manager responsible for non-IT changes
  – Develop requirements for changes to edits
  – Revise Manuals, Forms, Reports, Instructions, Documentation for Public and NonPublic Products
  – Communication with stakeholders

• Regulation Package to be drafted
Sample Issue

• **How to Display Data with ICD-9 codes**
  – IP data: Jan-Sept 2013
  – EDAS data: Jan-Sept 2013
  – Documentation for 2013
  – Standard Datasets and Products

• **How to Display Data with ICD-10 codes**
  – IP data: Oct-Dec 2013
  – EDAS data: Oct-Dec 2013
  – Documentation for 2013
  – Standard Datasets and Products

• **Data Sets and Documentation**
Communication

• Communicate ICD-10 efforts to:
  – Reporting facilities
  – Data users

• Communicate ICD-10 changes on:
  – OSHPD applications
  – OSHPD products

• Based on our dependencies, communicate with other organizations about their readiness:
  – Linkage projects
  – AHRQ Products (CCS, QIs)
  – Vital Statistics Files
Risks to Success

• **Data**
  – Promote unrealistic goals for modifying all products
  – Force modification of web-based applications for dual displays
  – Delay to the mandated product readiness with ICD-10

• **Solutions**
  – Define clear minimum necessary scope and adhere to it
  – Perform data analysis in post implementation phase
  – Develop new products after Oct 2013
Outside Queries

• **Front-end Data Collection**
  – Dedicated staff
  – Communicate with reporting facilities on data patterns and errors

• **Data Dissemination**
  – Dedicated staff
  – Communicate with requesters from legislation, research community, hospital marketers, and counties

• **Public Relations**
  – Dedicated staff
  – Communicate answers to questions from news media
Phase 2: Implementation

• System Code Freeze (2012-2013)
  – Development, Test, Production Environments
  – Revise logic for new requirements
  – Test requirements in all environments
  – Testing Schedules and Follow up Meetings

• Develop Mapping Tool; Purchase Encoder for staff

• Grouper
  – Review grouper pilot software
  – Input and output requirements
  – Test cases for appropriate MS-DRG assignments

• In-House Groups for internal queries
Mapping Tool

Lookup of any ICD Code will map to GEMs files.

<table>
<thead>
<tr>
<th>ICD Code</th>
<th>Description</th>
<th>Code Type</th>
<th>Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>493.10</td>
<td>Intrinsic asthma, unspecified</td>
<td>9</td>
<td>DIAGNOSIS</td>
</tr>
</tbody>
</table>

Equivalent Codes *(this came from 9-to-10 forward map, using 493.10)*

<table>
<thead>
<tr>
<th>Equivalent Code</th>
<th>Description</th>
<th>Code Type</th>
<th>Table</th>
<th>Approx. Flag</th>
<th>No Map Flag</th>
<th>Combination Flag</th>
<th>Scenario Flag</th>
<th>Choice List Flag</th>
</tr>
</thead>
<tbody>
<tr>
<td>J45.20</td>
<td>Mild intermittent asthma, uncomplicated</td>
<td>10</td>
<td>DIAGNOSIS</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Reverse Lookup Codes *(this came from 10-to-9 backward map, using 493.10 code)*

<table>
<thead>
<tr>
<th>Equivalent Code</th>
<th>Description</th>
<th>Code Type</th>
<th>Table</th>
<th>Approx. Flag</th>
<th>No Map Flag</th>
<th>Combination Flag</th>
<th>Scenario Flag</th>
<th>Choice List Flag</th>
</tr>
</thead>
<tbody>
<tr>
<td>J45.30</td>
<td>Mild persistent asthma, uncomplicated</td>
<td>10</td>
<td>DIAGNOSIS</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>J45.50</td>
<td>Severe persistent asthma, uncomplicated</td>
<td>10</td>
<td>DIAGNOSIS</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>J45.20</td>
<td>Mild intermittent asthma, uncomplicated</td>
<td>10</td>
<td>DIAGNOSIS</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>J45.40</td>
<td>Moderate persistent asthma, uncomplicated</td>
<td>10</td>
<td>DIAGNOSIS</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
MS-DRGs based on ICD-10

MS-DRGs based on ICD-10

<table>
<thead>
<tr>
<th>DRG Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>216</td>
<td>Cardiac Valve &amp; Other Major Cardiotoracic Proc w/ Card Cath w/ MCC</td>
</tr>
<tr>
<td>217</td>
<td>Cardiac Valve &amp; Other Major Cardiotoracic Proc w/ Card Cath w/ CC</td>
</tr>
<tr>
<td>218</td>
<td>Cardiac Valve &amp; Other Major Cardiotoracic Proc w/ Card Cath w/o CC/MCC</td>
</tr>
<tr>
<td>219</td>
<td>Cardiac Valve &amp; Other Major Cardiotoracic Proc w/o Card Cath w/ MCC</td>
</tr>
<tr>
<td>220</td>
<td>Cardiac Valve &amp; Other Major Cardiotoracic Proc w/o Card Cath w/ CC</td>
</tr>
<tr>
<td>221</td>
<td>Cardiac Valve &amp; Other Major Cardiotoracic Proc w/o Card Cath w/o CC/MCC</td>
</tr>
</tbody>
</table>

**Cardiac Valve and Other Major Cardiotoracic Procedures**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>027F04Z</td>
<td>Dilation of Aortic Valve with Drug-eluting Intraluminal Device, Open Approach</td>
</tr>
<tr>
<td>027F0DZ</td>
<td>Dilation of Aortic Valve with Intraluminal Device, Open Approach</td>
</tr>
<tr>
<td>027F0ZZ</td>
<td>Dilation of Aortic Valve, Open Approach</td>
</tr>
<tr>
<td>027G04Z</td>
<td>Dilation of Mitral Valve with Drug-eluting Intraluminal Device, Open Approach</td>
</tr>
<tr>
<td>027G0DZ</td>
<td>Dilation of Mitral Valve with Intraluminal Device, Open Approach</td>
</tr>
<tr>
<td>027G0ZZ</td>
<td>Dilation of Mitral Valve, Open Approach</td>
</tr>
<tr>
<td>027H04Z</td>
<td>Dilation of Pulmonary Valve with Drug-eluting Intraluminal Device, Open Approach</td>
</tr>
<tr>
<td>027H0DZ</td>
<td>Dilation of Pulmonary Valve with Intraluminal Device, Open Approach</td>
</tr>
<tr>
<td>027H0ZZ</td>
<td>Dilation of Pulmonary Valve, Open Approach</td>
</tr>
<tr>
<td>027J04Z</td>
<td>Dilation of Tricuspid Valve with Drug-eluting Intraluminal Device, Open Approach</td>
</tr>
<tr>
<td>027J0DZ</td>
<td>Dilation of Tricuspid Valve with Intraluminal Device, Open Approach</td>
</tr>
<tr>
<td>027J0ZZ</td>
<td>Dilation of Tricuspid Valve, Open Approach</td>
</tr>
<tr>
<td>02NF0ZZ</td>
<td>Release Aortic Valve, Open Approach</td>
</tr>
<tr>
<td>02NG0ZZ</td>
<td>Release Mitral Valve, Open Approach</td>
</tr>
<tr>
<td>02NH0ZZ</td>
<td>Release Pulmonary Valve, Open Approach</td>
</tr>
<tr>
<td>02NJ0ZZ</td>
<td>Release Tricuspid Valve, Open Approach</td>
</tr>
<tr>
<td>02QF0ZZ</td>
<td>Repair Aortic Valve, Open Approach</td>
</tr>
</tbody>
</table>
Phase 3: Go-Live!

• **Training efforts**
  – Procedure Changes
  – Form Changes
  – Roles and Responsibilities
  – Practice Encoder and Mapping tools
  – More understanding of ICD-10-CM/PCS code sets

• **Finalize systems and complete testing**
  – Beta test input format from every facility
  – Install grouper in production with Version 31.0
  – Monitor data load, transformation rules, automation of mandated reports, and data sets (SAS and Data Warehouse)
Phase 4: Post-Implementation

• Data Quality
  – Review reported data for future edits
  – Develop requirements
  – Implement and test

• Products
  – Review mapping accuracy for mandated reports
  – Create new products with new ICD-10 data
Questions?
Always smile when your boss is around