



PREPARING FOR ICD-10-CM/PCS

OSHPD EXPERIENCE IN CALIFORNIA

APRIL 2012

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Awareness

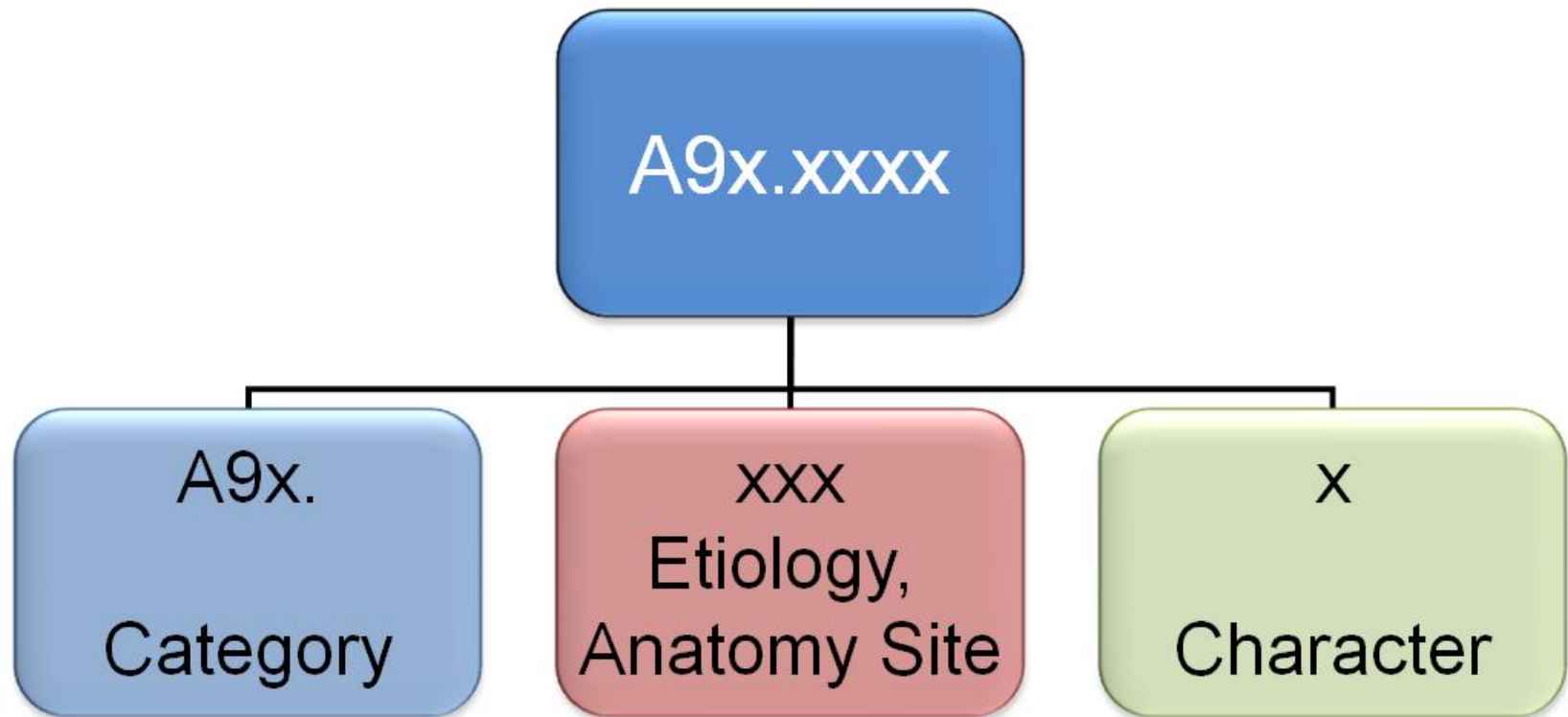


- **ICD-10 Code Sets named by HIPAA**
- **Compliance date for ICD-10 – HHS Directive**
 - October 1, 2013
 - ICD-9-CM will not be accepted on or after 10/1/2013
 - Possible delay – continue until further notice
- **Format lengths, Descriptions, Challenges, Benefits**
- **Administrative Data collected 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

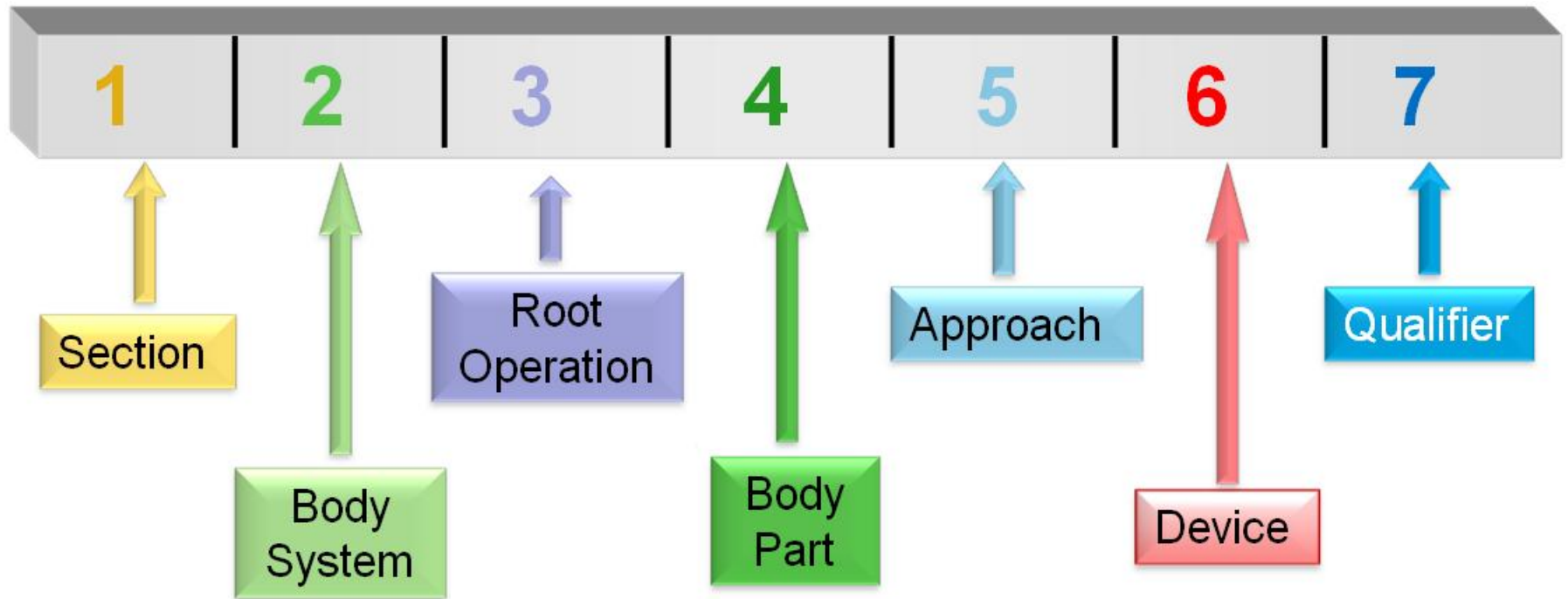


ICD-10-PCS

(International Classification of Diseases, 10th Revision, Procedure Coding System)



Inpatient Procedure



More Specific Description

ICD-10

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

ICD-10

ICD-9-CM Inpatient Procedure – See proper terms below. Cholecystectomy implies open and total removal.

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

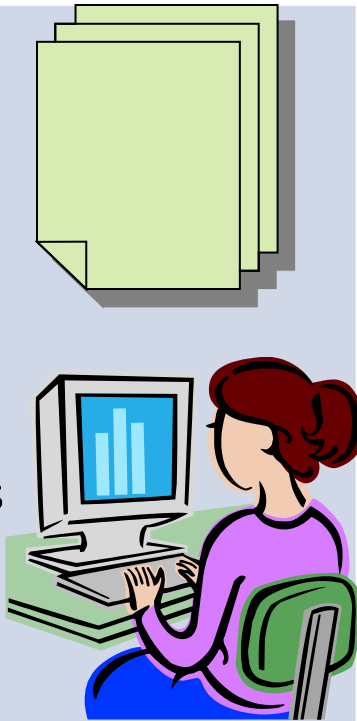
Excision of gallbladder, percutaneous approach

Excision of gallbladder, percutaneous endoscopic approach, diagnostic

Excision of gallbladder, percutaneous endoscopic approach

Documentation



Dig through the record for specific Information	Types of Reports
<p>Co-morbidities Manifestations Etiology/Causation Complications Detailed anatomical locations Sequelae (late effects) Degree of functional impairments Biologic and chemical agents Phase/Stage Lymph node involvement Lateralization and localization Procedure or implant related</p>	<p>History and Physical Consultant Operative Report Discharge Summary Progress Notes Physician Orders Nursing Notes Physical Therapy notes Other clinical notes Pathology Report X-rays</p>  An illustration in the bottom right corner of the table shows a person with dark hair in a bun, wearing a purple long-sleeved shirt, sitting at a desk and working on a computer. The computer monitor displays a blue bar chart. To the left of the person is a stack of three light green papers with rounded corners and shadows, suggesting a stack of documents or reports.

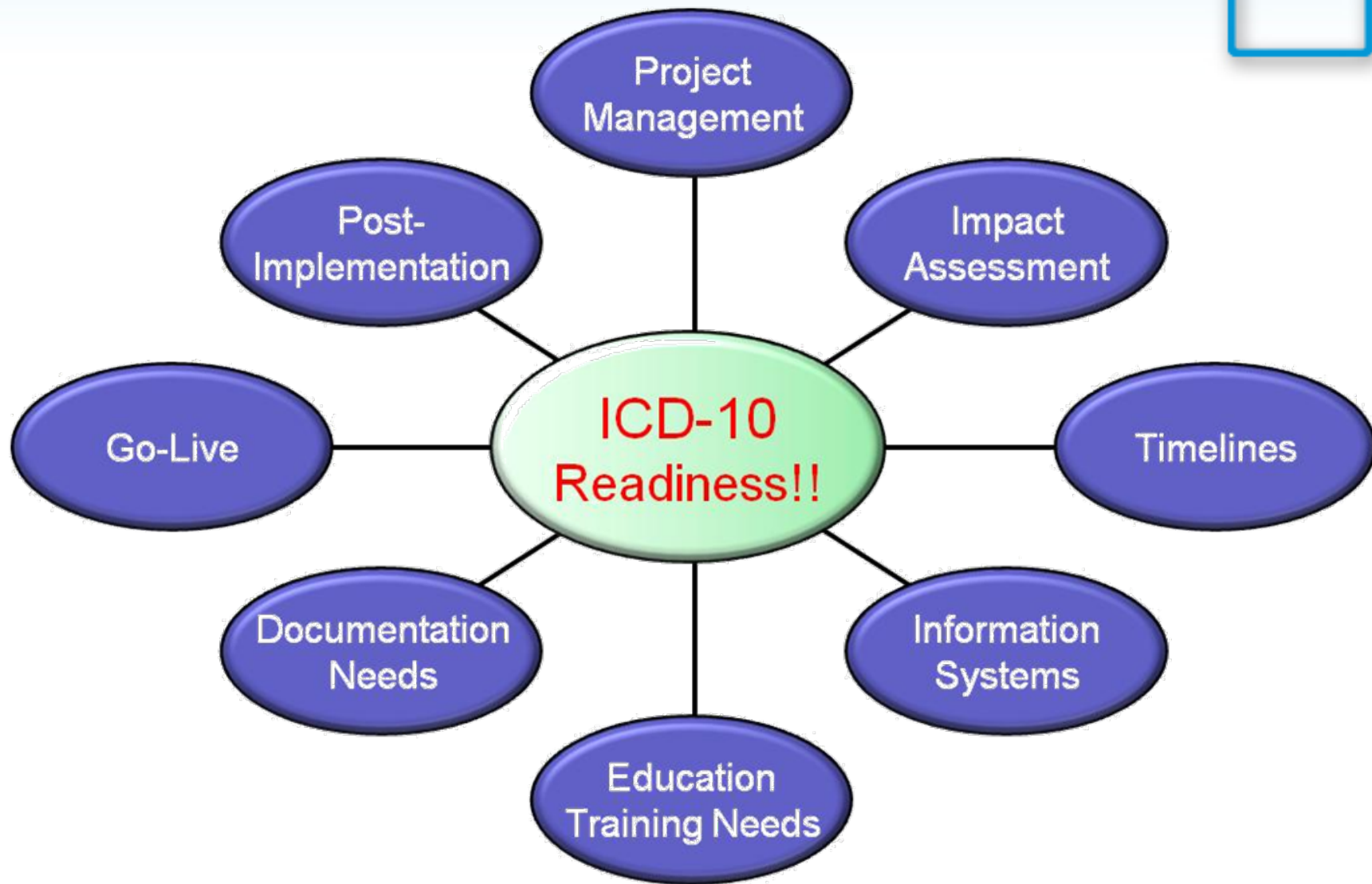
When patient is seen, documentation begins. Paper, Hybrid, Electronic.

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)





Phase 1: Impact Assessment

The logo consists of a blue square with rounded corners containing the text "ICD-10" in white. It is positioned in the top right corner of the slide, partially overlapping a decorative graphic of overlapping squares and lines.

- **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																
Importance Weight	Regulatory				Revenue Cycle				Operational Efficiency				Performance Management			Overall ICD-10 Priority Score
Strategic Category	Regulatory				Revenue Cycle				Operational Efficiency				Performance Management			
	ICD-10-CM/PCS Compliance	5010 Compliance	Integration with other regulatory	Additional: Regulatory Score	Drop bill and no change in A/R days	Portfolio management	Payer/Provider integration (Contracts)	Additional: Revenue Cycle Score	IT System Integration	Clinical integration	Functional integration	Payer/Provider integration	Additional: Operational Score	Accuracy	Quality reporting programs	Additional: Performance Management
Strategy Component: HIM Coding and Reimbursement																
Encoding software				0				0					0			0
Case mix systems				0				0					0			0
DRG grouper				0				0					0			0
Compliance checking systems				0				0					0			0
Strategy Component: Revenue Cycle Management																
Billing Systems				0				0					0			0
Claim submission systems				0				0					0			0
Registration and scheduling systems				0				0					0			0
Strategy Component: Clinical Systems																
Test ordering systems				0				0					0			0
Pharmacy systems				0				0					0			0
Registries				0				0					0			0
Patient assessment data sets (PAI, OASIS)				0				0					0			0
Key																
Relation to Strategic Category																
400-600 - Highest Priority																
200-399 - Medium Priority																
0-199 - Low Priority																

AHIMA Assessment Tool



- *“ICD-10-CM/PCS Readiness Assessment and Prioritization Tool”*
- http://library.ahima.org/xpedio/groups/public/documents/ahima/bok1_046262.pdf

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

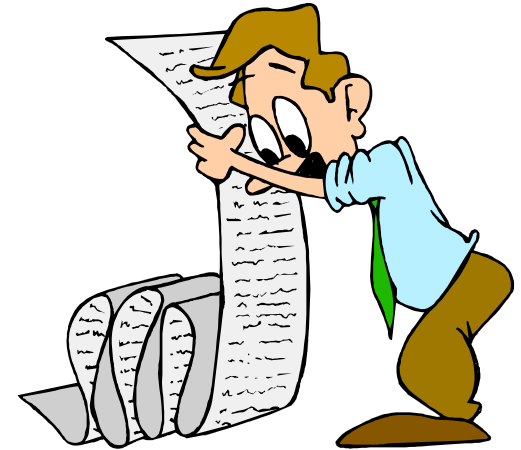


- **Communication Plan**
 - Objective is to keep communication lines open
- **ICD-10 Team**
 - Representative from every program
- **Education and Training Plan**
 - Education – prior to business and system changes
 - Training – set of skills related to ICD-10 functions
- **Regulation**
 - Usually take 1.5 years from justification to implementation
- **ICD-10 Product Search**
 - To transition and increase staff knowledge base

Deliverables

ICD-10

- **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

ICD-10

OSHPD Products Impacted by ICD-10

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

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

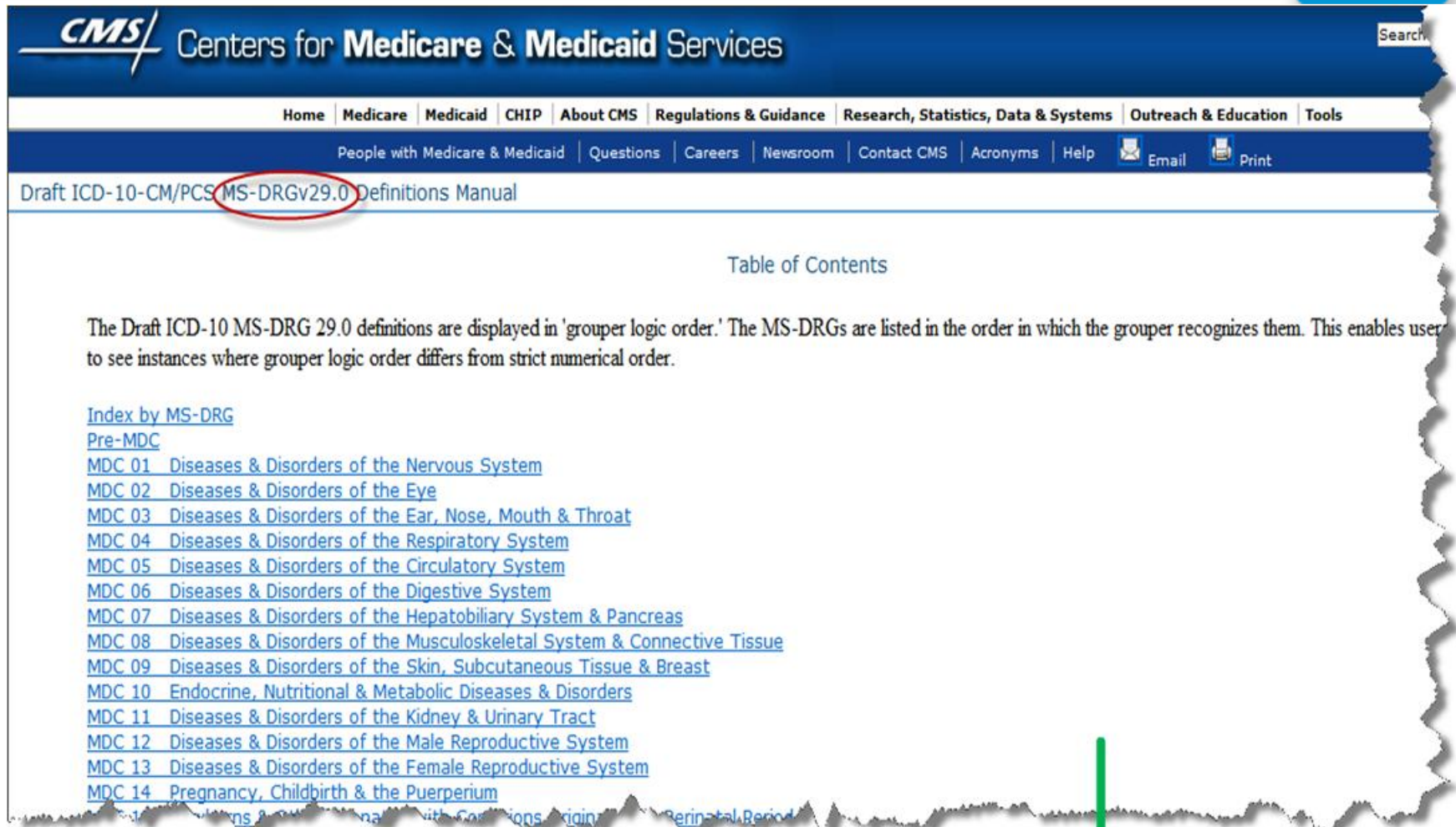


Lookup of any ICD Code will map to GEMs files.

ICD Code	Description	Code Type	Table						
493.10	Intrinsic asthma, unspecified	9	DIAGNOSIS						
Equivalent Codes (this came from 9-to-10 forward map, using 493.10)									
Equivalent Code	Description	Code Type	Table	Approx. Flag	No Map Flag	Combination Flag	Scenario Flag	Choice List Flag	
J45.20	Mild intermittent asthma, uncomplicated	10	DIAGNOSIS	1	0	0	0	0	
Reverse Lookup Codes (this came from 10-to-9 backward map, using 493.10 code)									
Equivalent Code	Description	Code Type	Table	Approx. Flag	No Map Flag	Combination Flag	Scenario Flag	Choice List Flag	
J45.30	Mild persistent asthma, uncomplicated	10	DIAGNOSIS	1	0	0	0	0	
J45.50	Severe persistent asthma, uncomplicated	10	DIAGNOSIS	1	0	0	0	0	
J45.20	Mild intermittent asthma, uncomplicated	10	DIAGNOSIS	1	0	0	0	0	
J45.40	Moderate persistent asthma, uncomplicated	10	DIAGNOSIS	1	0	0	0	0	

MS-DRGs based on ICD-10

ICD-10



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Draft ICD-10-CM/PCS MS-DRGv29.0 Definitions Manual

Table of Contents

The Draft ICD-10 MS-DRG 29.0 definitions are displayed in 'grouper logic order.' The MS-DRGs are listed in the order in which the grouper recognizes them. This enables users to see instances where grouper logic order differs from strict numerical order.

[Index by MS-DRG](#)

[Pre-MDC](#)

[MDC 01 Diseases & Disorders of the Nervous System](#)

[MDC 02 Diseases & Disorders of the Eye](#)

[MDC 03 Diseases & Disorders of the Ear, Nose, Mouth & Throat](#)

[MDC 04 Diseases & Disorders of the Respiratory System](#)

[MDC 05 Diseases & Disorders of the Circulatory System](#)

[MDC 06 Diseases & Disorders of the Digestive System](#)

[MDC 07 Diseases & Disorders of the Hepatobiliary System & Pancreas](#)

[MDC 08 Diseases & Disorders of the Musculoskeletal System & Connective Tissue](#)

[MDC 09 Diseases & Disorders of the Skin, Subcutaneous Tissue & Breast](#)

[MDC 10 Endocrine, Nutritional & Metabolic Diseases & Disorders](#)

[MDC 11 Diseases & Disorders of the Kidney & Urinary Tract](#)

[MDC 12 Diseases & Disorders of the Male Reproductive System](#)

[MDC 13 Diseases & Disorders of the Female Reproductive System](#)

[MDC 14 Pregnancy, Childbirth & the Puerperium](#)

<http://www.cms.gov/ICD10Manual/version29-fullcode-cms/p0001.html>

MS-DRGs based on ICD-10

ICD-10

DRG 216 CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W CARD CATH W MCC
DRG 217 CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W CARD CATH W CC
DRG 218 CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W CARD CATH W/O CC/MCC
DRG 219 CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W/O CARD CATH W MCC
DRG 220 CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W/O CARD CATH W CC
DRG 221 CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W/O CARD CATH W/O CC/MCC

CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES

OPERATING ROOM PROCEDURES

- 027F04Z** Dilation of Aortic Valve with Drug-eluting Intraluminal Device, Open Approach
- 027F0DZ** Dilation of Aortic Valve with Intraluminal Device, Open Approach
- 027F0ZZ** Dilation of Aortic Valve, Open Approach
- 027G04Z** Dilation of Mitral Valve with Drug-eluting Intraluminal Device, Open Approach
- 027G0DZ** Dilation of Mitral Valve with Intraluminal Device, Open Approach
- 027G0ZZ** Dilation of Mitral Valve, Open Approach
- 027H04Z** Dilation of Pulmonary Valve with Drug-eluting Intraluminal Device, Open Approach
- 027H0DZ** Dilation of Pulmonary Valve with Intraluminal Device, Open Approach
- 027H0ZZ** Dilation of Pulmonary Valve, Open Approach
- 027J04Z** Dilation of Tricuspid Valve with Drug-eluting Intraluminal Device, Open Approach
- 027J0DZ** Dilation of Tricuspid Valve with Intraluminal Device, Open Approach
- 027J0ZZ** Dilation of Tricuspid Valve, Open Approach
- 02NF0ZZ** Release Aortic Valve, Open Approach
- 02NG0ZZ** Release Mitral Valve, Open Approach
- 02NH0ZZ** Release Pulmonary Valve, Open Approach
- 02NJ0ZZ** Release Tricuspid Valve, Open Approach
- 02QF0ZZ** Repair Aortic Valve, Open Approach

Phase 3: Go-Live!

ICD-10

- **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

ICD-10

- **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?

ICD-10



Always smile when
your boss is around

