



Agency for Healthcare Research and Quality

Advancing Excellence in Health Care



Battelle

The Business of Innovation

UCDAVIS
HEALTH SYSTEM

ICD-10-CM/PCS CONVERSION FOR AHRQ QUALITY INDICATORS™

OCTOBER 2012

Objectives



HIPAA Requirements for ICD-10-CM/PCS

Basics of ICD-10 Code Sets

ICD-10 Planning, Preparation, Go-Live

AHRQ Quality Indicators Project

Mapping Methods and examples

Challenges to consider

Questions to ask yourselves.....

- Jan 2009: Dept of Health and Human Services published its final rule for transition of ICD-9-CM to ICD-10-CM and ICD-10-PCS code sets.
- Under HIPAA, the medical code sets for coding diagnoses and inpatient hospital procedures will change Oct 1, 2014.
- Conversion will impact:
 - All health care claims
 - All prospective payment systems such as MS-DRGs
 - All risk adjustment software applications
 - AHRQ Quality Indicators [™]
 - AHRQ Comorbidity software
 - AHRQ Clinical Classification System (CCS)



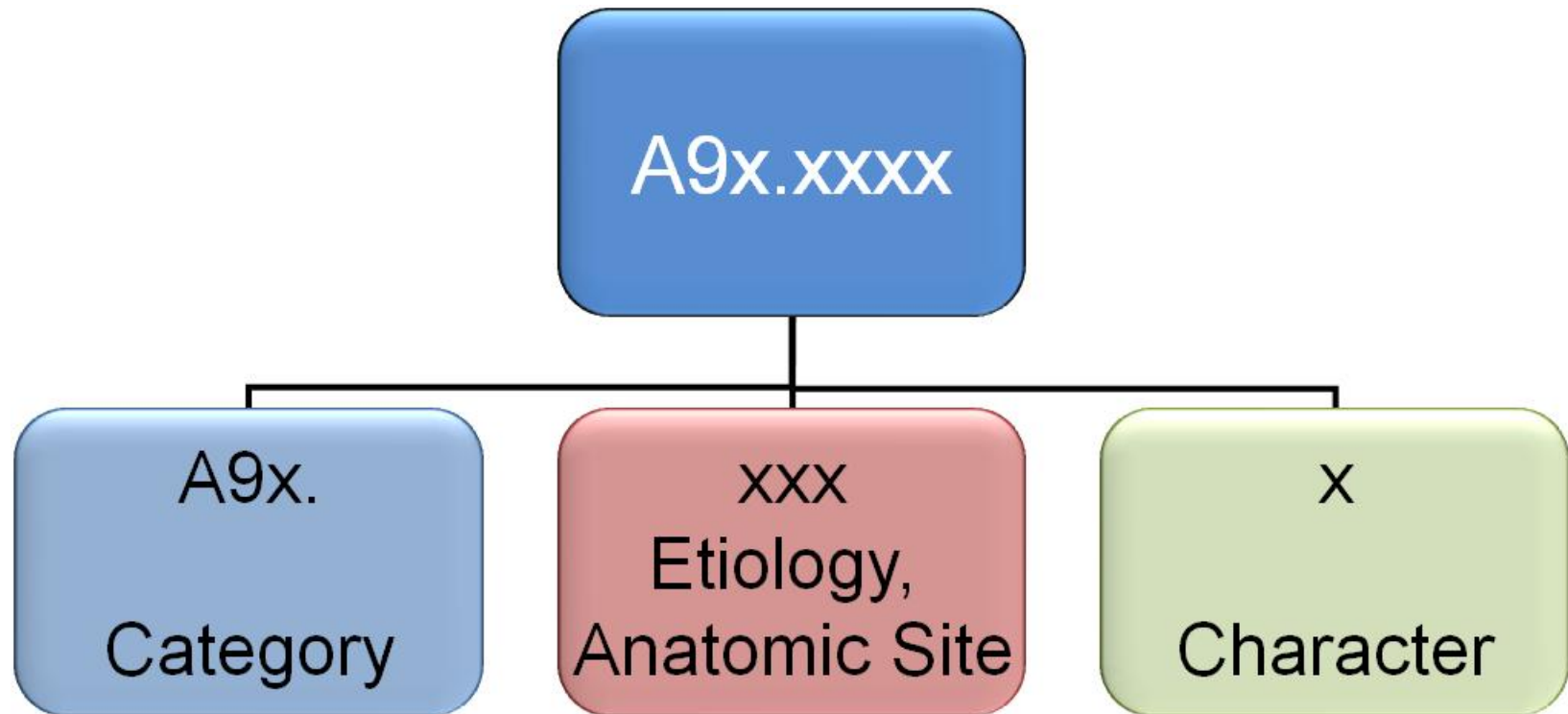
International Classification of Diseases, Tenth Revision, **Clinical Modification** (ICD-10-**CM**)

<http://www.cms.gov/Medicare/Coding/ICD10/2012-ICD-10-CM-and-GEMs.html>

ICD-10-CM

(International Classification of Diseases, 10th Revision, Clinical Modification)

Diagnosis and External Causes



ICD-10-CM Chapters

(paraphrased)



| # | Codes | Descriptions |
|----|---------|----------------------|
| 1 | A00-B99 | Infections |
| 2 | C00-D48 | Neoplasms |
| 3 | D50-D98 | Blood Disorders |
| 4 | E00-E90 | Endocrine/Metabolism |
| 5 | F01-F99 | Mental |
| 6 | G00-G99 | Nervous System |
| 7 | H00-H59 | Eye |
| 8 | H60-H95 | Ear |
| 9 | I00-I99 | Circulatory System |
| 10 | J00-J99 | Respiratory System |

| # | Codes | Descriptions |
|----|---------|---------------------------|
| 11 | K00-K93 | Digestive System |
| 12 | L00-L99 | Skin |
| 13 | M00-M99 | Muscle/Bone |
| 14 | N00-N99 | Genitourinary |
| 15 | O00-O99 | Pregnancy |
| 16 | P00-P96 | Perinatal Period |
| 17 | Q00-Q99 | Malformations |
| 18 | R00-R99 | Symptoms |
| 19 | S00-T98 | Injuries, External causes |
| 20 | V01-Y98 | External Causes Morbidity |
| 21 | Z00-Z99 | Health Factors |

ICD-10 Impacts

ICD-10

- Few new Official Coding Guidelines were added.

- <http://www.cdc.gov/nchs/icd/icd10cm.htm>

- 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-CM to 4 weeks in ICD-10-CM
- 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)





International Classification of Diseases, Tenth Revision, **Procedure Coding System**(ICD-10-PCS)

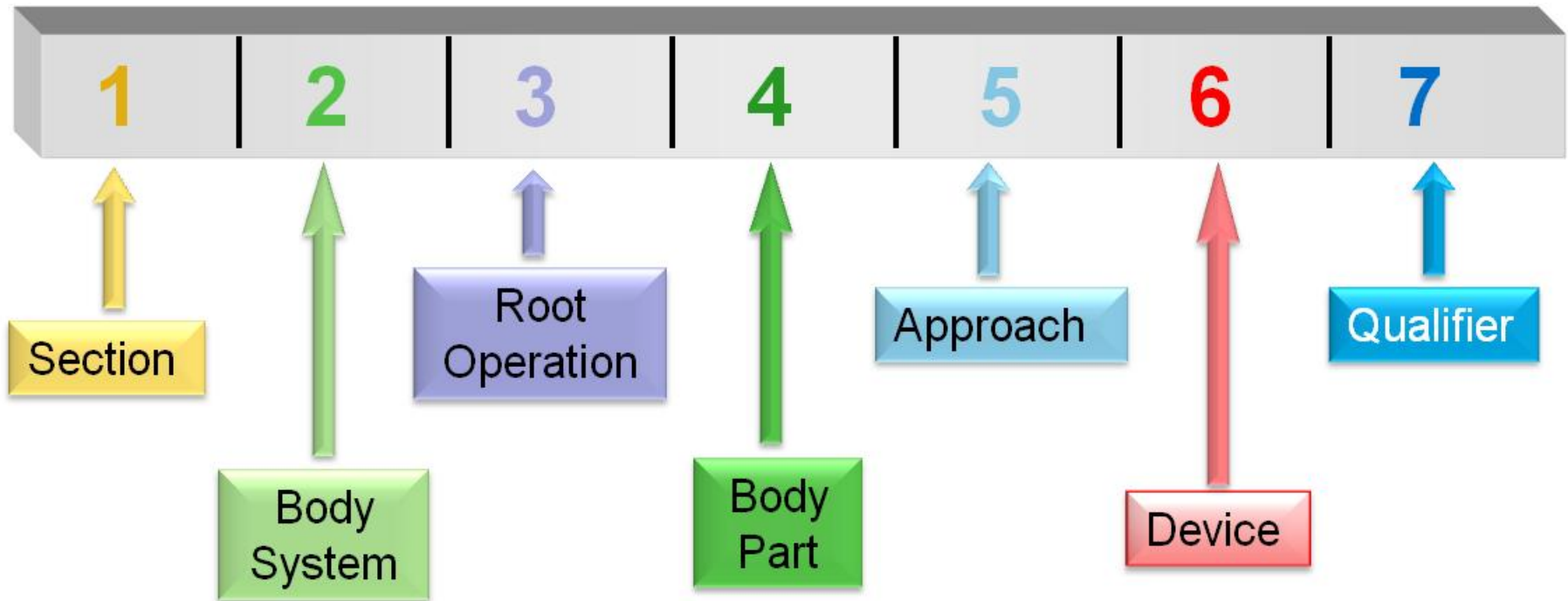
<http://www.cms.gov/Medicare/Coding/ICD10/2012-ICD-10-PCS.html>

ICD-10-PCS

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



Inpatient Procedure



New Procedure Definitions



| ICD-9-CM Procedure Term | ICD-10-PCS Procedure Term |
|-------------------------|---|
| Amputation | Detachment |
| Amniocentesis | Drainage |
| Cystoscopy | Inspection |
| Closed Reduction | Reposition |
| Debridement | Excision, Irrigation, Extirpation, Extraction |
| Total Mastectomy | Resection |
| Subtotal Mastectomy | Excision |
| Tracheostomy | Bypass |
| Cesarean Section | Extraction of Products of Conception |
| Incision | No ICD-10-PCS term |

October 1, 2014



- Compliance date for ICD-10 implementation
 - October 1, 2014
 - One day switch for all HIPAA-impacted entities
 - ICD-9-CM will not be accepted on or after 10/1/2014
 - Limited code set changes for 2013 and 2014
 - Full update will resume 10/1/2015
- Beware of duplication between ICD-9 and ICD-10 codes, if you do not use decimals in output

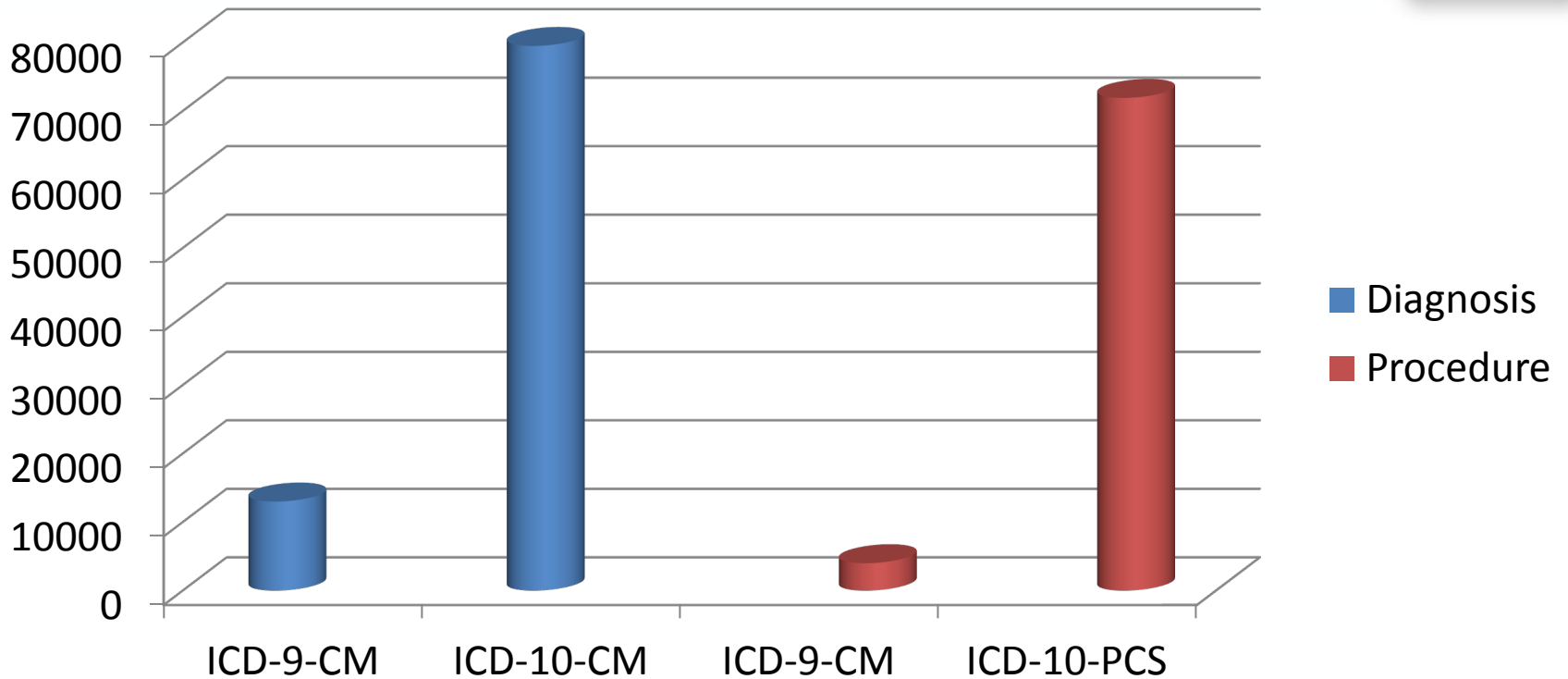
E895

Accident caused by
controlled fire in private
dwelling

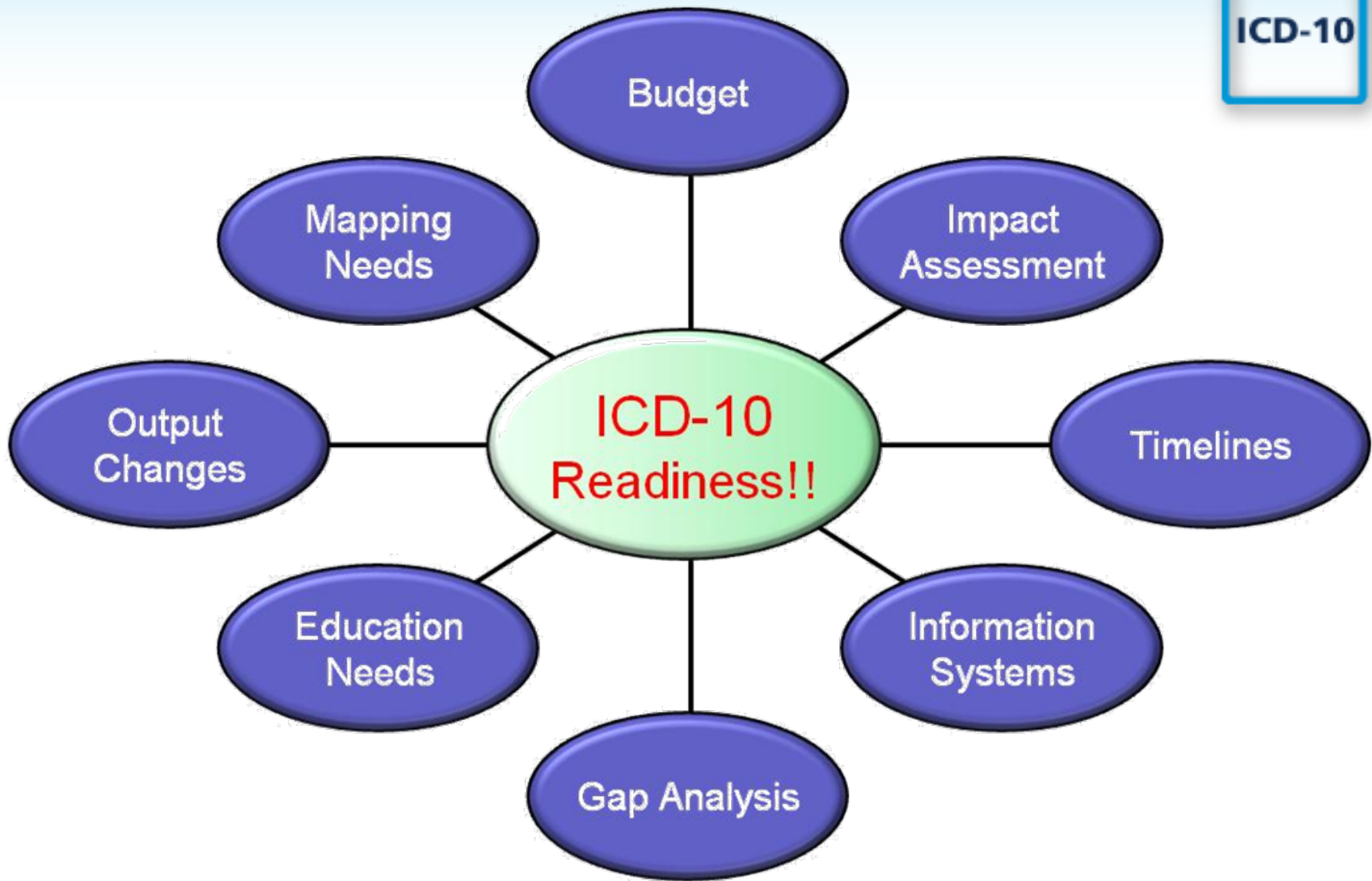
E895

Postprocedural testicular
hypofunction

Number of Codes



| 2013 | Diagnosis | Diagnosis | Procedure | Procedure |
|---------------|-----------|-----------|-----------|------------|
| Code Set | ICD-9-CM | ICD-10-CM | ICD-9-CM | ICD-10-PCS |
| Approx. Total | 13,000 | 79,502 | 4,000 | 71,920 |



Timeline

ICD-10

| YEAR | Activity |
|------|--|
| 2012 | Impact analysis Basic education on ICD-10 code sets Communication is critical Budget for programming, hardware, education, vendor costs System Planning (business and technical requirements) Remediation for systems, programs, products, projects, edits, |
| 2013 | Systems Code Freeze (development, test, production) User Acceptance Testing with impacted areas Product Testing Add ICD-10 mapping tool and/or encoder; Training workshops for staff |
| 2014 | Go Live for Data Input Go live for systems, products, projects, edits Troubleshoot problems |
| 2015 | Post Implementation Go Live in creating data set files Review quality of reported ICD-10 data Develop new products with ICD-10 data (review mappings) |



Planning



- Impact Analysis Assessment Plan
- Communication Plan
 - IT Core Team and Program Core Team
- Education Plan
 - Education – prior to business & system cl
- Training Plan
 - Training – set of skills related to ICD-10 functions
- ICD-10 Product Search Plan
 - Tool to help staff with ICD-9 and ICD-10

INNOVATION
SUCCESS
EVALUATION
DEVELOPMENT
GROWTH
SOLUTION
PROGRESS
MARKETING

A hand in a white sleeve is holding a red marker, pointing to a vertical red line that runs through the center of the text on the right side of the slide.

Communication

ICD-10

- SharePoint
 - Post Impact Assessments
 - Post ICD-10 codebooks from CMS
 - Post resources on ICD-10 changes, links, and internal presentations
- Maintain weekly or bi-weekly status meetings with all departments (ICD-10 Committee)
- Listen to staff concerns regarding impacts
 - Change is difficult and awkward. Help each other to accomplish ICD-10 .

Education Assessment

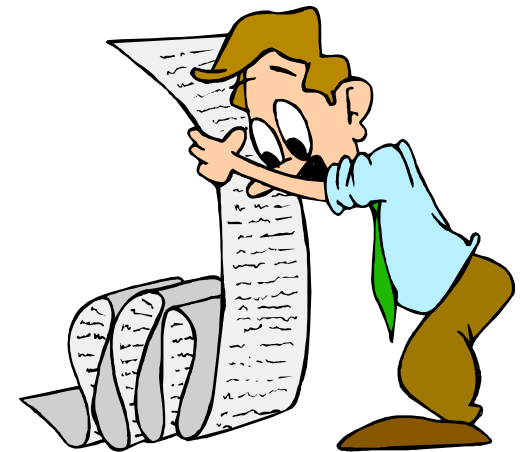
ICD-10

- Determine what staff need to know before they make changes to requirements for systems, products, projects, and applications
 - Basic: familiarity and awareness of changes between ICD-9 and ICD-10 code sets to be conversant
 - Moderate: require understanding to interpret and use ICD-10
 - High: require detailed and expert understanding to apply ICD-10 codes
- Determine what staff need for skills or tools when using ICD-10 data

Inventory

ICD-10

- Determine how and where data are impacted
- Inventory via face-to-face interviews
 - 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
 - Available in SharePoint for other business needs



AHIMA Tool

ICD-10

| 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 | ICD-10-CM/PCS Compliance | 5010 Compliance | Integration with other regulatory | Regulatory Score | Drop bill and no change in A/R days | Portfolio management | Payer/Provider integration (Contracts) | Revenue Cycle Score | IT System Integration | Clinical integration | Functional integration | Payer/Provider integration | | Operational Score | Accuracy | Quality reporting programs | Performance Management |
| Strategy Component: HIM Coding and Reimbursement | | | | | | | | | | | | | | | | | |
| Encoding software | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Case mix systems | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| DRG grouper | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Compliance checking systems | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Strategy Component: Revenue Cycle Management | | | | | | | | | | | | | | | | | |
| Billing Systems | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Claim submission systems | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Registration and scheduling systems | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Strategy Component: Clinical Systems | | | | | | | | | | | | | | | | | |
| Test ordering systems | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Pharmacy systems | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Registries | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Patient assessment data sets (PAI, OASIS) | | | | 0 | | | | 0 | | | | | 0 | | | 0 | 0 |
| Key | | | | | | | | | | | | | | | | | |
| 400-600 - Highest Priority | | | | Relation to Strategic Category | | | | | | | | | | | | | |
| 200-399 - Medium Priority | | | | Direct | | | | | | | | | | | | | |
| 0-199 - Low Priority | | | | Somewhat | | | | | | | | | | | | | |
| | | | | Not | | | | | | | | | | | | | |

<http://www.ahima.org/icd10/assess.aspx>

OSHPD Products

ICD-10

Data Analysis

- Validation reports, Validated datasets, Mortality Indicator reports and technical notes, **Outcome Reports**, Data discrepancy report, Risk factor coding, Linked clinical data file, and Trend reports

Standard product changes

- Frequencies, Case Mix Index, AHRQ Mortality Indicators, Inpatient Volume & Utilization Quality Indicators, Patient Origin and Market Share, **Top 25 MS-DRGs**, Pivot tables

Standard dataset and product changes

- Aggregations and Statistical Summaries , Racial & Ethnic Disparities, Preventable Hospitalization, Health Facts, Perspectives

Preparation

ICD-10

- Requirements, Changes and Testing will begin
 - Systems
 - Programs
- System Code Freeze through 2015
 - Test system changes containing ICD-10 codes and formats
- Product revisions
 - Equivalent mapping, if needed
- Education Workshops specific to that program
 - Staff needs training on new changes, new tools
 - Staff needs more in-depth knowledge

OSHPD Edits

ICD-10

- Standard Edits for ICD-10-CM/PCS Codes
 - Invalid Codes
 - Age Edits for diagnosis, procedures, external cause of injuries
 - Sex Edits for diagnosis and procedures
 - POA Edits for diagnoses and external causes
- Coding Edits
 - Will be discontinued on or after 10/1/2014
 - Will need 1-2 years of analyses on reported ICD-10 codes
 - Coding guidelines will be finalized 10/1/2014

Vendors

ICD-10

- WEDI ICD-10 Vendor Resource Directory
 - http://wedi.org/public/articles/dis_viewArticle.cfm?ID=904
- Survey current vendors
 - Assessment and readiness tool
 - Work with IT leadership
- Readiness
 - Testing their system with ICD-10 codes
 - Revisions and corrections prior to Go-live



Outreach



Outreach on ICD-10 Readiness

- Communicate ICD-10 efforts to data researchers, contractors, surgeons, Agency, Director's Office, Clinical Advisory Panel, Auditors, Technical Advisory Committee, Public Health Stakeholders
- Updates on data set changes and documentation
- Updates on data quality, such as edits
- Updates on popular products
- For your dependencies, learn if other organizations are ICD-10 ready, such as AHRQ Quality Indicators, Clinical Classification Software, or CMS MS-DRGs

2015: Post Implementation

ICD-10

- **Share Experiences**
 - Reporting facilities and data users
 - Internal stakeholders
 - Train or re-train
- **Data Quality**
 - Review reported data for future edits
 - Develop requirements
 - Implement and test
- **Products**
 - Review mapping accuracy for reports
 - Create new products with new ICD-10 data



ICD-10-CM/PCS CONVERSION FOR AHRQ QUALITY INDICATORS™

A graphic consisting of a white border surrounding a blue rectangular area. Inside the blue area, the text "Patient Safety, Today and Every Day" is written in a white, cursive font.

*Patient Safety,
Today and Every
Day*



- AHRQ Quality Indicators TM
 - Unique set of measures for use with inpatient administrative data
 - Four modules:
 - Patient Safety Indicators (PSIs)
 - Prevention Quality Indicators (PQIs)
 - Inpatient Quality Indicators (IQIs)
 - Pediatric Quality Indicators (PedQIs)
 - Used for quality monitoring, hospital self-assessment
 - May support public reporting, pay for performance

UC DAVIS and Battelle



- AHRQ committed to converting QIs from ICD-9-CM to ICD-10-CM/PCS in an accurate and transparent manner
 - Use ICD-10 version of QIs starting October 2014
- AHRQ contracted with Battelle
 - Manage the QI program, including annual updates, software, testing and validation, user support and education.
- Battelle subcontracted with UC Davis
 - Perform the ICD-10 conversion project
 - Lead and coordinate clinical expertise on the conversion
 - Recommend proposed specifications

Mapping Tool



- Mapping require the use of a basic foundation
 - General Equivalence Map (or GEMs)
 - Provide all plausible translation alternatives
- Created a software tool, based on CMS GEMS
 - Mapped ICD-9-CM to ICD-10-CM (diagnosis and external causes)
 - Mapped ICD-9-CM to ICD-10-PCS (procedures)
 - We will discuss this process more later.
- We mapped the set names as the basic foundations for 91 QIs.

| Set Names | Number of Set Names | Number of ICD-9 codes |
|----------------------|---------------------|-----------------------|
| Diagnosis Sets Names | 160 | 7,925 |
| Procedure Set Names | 68 | 1,769 |
| Totals | 228 | 9,694 |

Types of Mapping





- General Equivalence Mappings (GEMs)
 - Reference map
 - Provide all plausible translation alternatives
 - Useful for applied maps
- Applied Map
 - Meet your specific needs
 - Purpose
 - Business rules



<http://www.cms.gov/Medicare/Coding/ICD10/index.html>

Mapping Methods: Proper

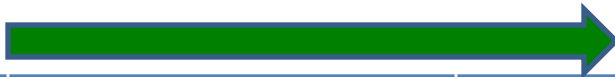


| KEY | Name of Map | GEM Files | Method |
|-----|--------------|--|---|
| F | Forward Map | 9-to-10  | Normal Lookup: We look up an ICD-9-CM code and get the closest ICD-10-CM/PCS equivalents. |
| B | Backward Map | 10-to-9  | Normal Lookup: We look up an ICD-10-CM/PCS code and get the closest ICD-9-CM equivalents. |

Examples: Proper Direction



9-to-10



| ICD9 | Description | Map | ICD10 | Description |
|-------|--------------------|-------|--------|---|
| 556.9 | Ulcerative colitis | F Map | K51.90 | Ulcerative colitis, without complications |
| | | | | |

10-to-9



| ICD10 | Description | Map | ICD9 | Description |
|---------|---------------------------------------|-------|-------|-------------------------------|
| OBBK0ZZ | Excision of Right Lung, Open Approach | B Map | 32.22 | Lung volume reduction surgery |
| | | | | |

Mapping Methods: Reverse



| KEY | Name of Map | GEM Files | Method |
|-----|----------------------|--------------|--|
| | | | |
| RB | Reverse Backward Map | 10-to-9 ← | <u>Reverse Lookup</u> : We look up an ICD-9-CM code and get additional ICD-10-CM/PCS equivalents. |
| | | | |
| | | | |
| RF | Reverse Forward Map | 9-to-10 ← | <u>Reverse Lookup</u> : We look up an ICD-10-CM/PCS code and get additional ICD-9 equivalents. |

Example: Reverse Direction



9-to-10 

| ICD9 | Description | Map | ICD10 | Description |
|-------|--------------------|-------|--------|---|
| 556.9 | Ulcerative colitis | F Map | K51.90 | Ulcerative colitis, without complications |



10-to-9

| ICD10 | Description | Map | ICD9 | Description |
|---------|--|--------|-------|--------------------|
| K51.911 | Ulcerative colitis, with rectal bleeding | RB Map | 556.9 | Ulcerative colitis |
| K51.912 | Ulcerative colitis, with intestinal obstruction | RB Map | | |
| K51.913 | Ulcerative colitis, with fistula | RB Map | | |
| K51.914 | Ulcerative colitis, with abscess | RB Map | | |
| K51.918 | Ulcerative colitis, with other complication | RB Map | | |
| K51.919 | Ulcerative colitis, with unspecified complications | RB Map | | |

2012 ICD-10-CM Codes

- [A00-B99](#) Certain infectious and parasitic diseases
- [C00-D49](#) Neoplasms
- [D50-D89](#) Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism
- [E00-E89](#) Endocrine, nutritional and metabolic diseases
- [F01-F99](#) Mental, Behavioral and Neurodevelopmental disorders
- [G00-G99](#) Diseases of the nervous system
- [H00-H59](#) Diseases of the eye and adnexa
- [H60-H95](#) Diseases of the ear and mastoid process
- [I00-I99](#) Diseases of the circulatory system
- [J00-J99](#) Diseases of the respiratory system
- [K00-K95](#) Diseases of the digestive system
- [L00-L99](#) Diseases of the skin and subcutaneous tissue
- [M00-M99](#) Diseases of the musculoskeletal system and connective tissue
- [N00-N99](#) Diseases of the genitourinary system
- [O00-O9A](#) Pregnancy, childbirth and the puerperium
- [P00-P96](#) Certain conditions originating in the perinatal period
- [Q00-Q99](#) Congenital malformations, deformations and chromosomal abnormalities
- [R00-R99](#) Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified
- [S00-T88](#) Injury, poisoning and certain other consequences of external causes
- [V00-Y99](#) External causes of morbidity
- [Z00-Z99](#) Factors influencing health status and contact with health services



Convert 2012 ICD-9 Codes to ICD-10 or Convert ICD-10 Codes to ICD-9

Proper Directions

Type a couple of digits or characters to find an ICD-9 or ICD-10 code to convert:

Convert

Tip: Use this shorthand URL to quickly convert a code:

www.icd10data.com/Convert/<Insert ICD-9/ICD-10 code here>

For example, convert ICD-9 code 001.0 to its ICD-10 equivalent using:

www.icd10data.com/Convert/001.0. The website will automatically determine if the code you have entered is an ICD-9-CM or ICD-10-CM code and display the appropriate conversion data.

All 2012 Codes & Indexes



Search

[2012 ICD-10-CM Codes](#) ▾

[2012 ICD-10-CM Indexes](#) ▾

[Convert to/from 2012 ICD-10-CM](#)

[2012 ICD-10-PCS Codes](#) ▾

[About](#) ▾

Convert ICD-9-CM 556.9 to ICD-10-CM

ICD-9-CM 556.9 converts approximately to:

- 2012 [ICD-10-CM K51.90](#) Ulcerative colitis, unspecified, without complications



Convert 2012 ICD-9 Codes to ICD-10, or Convert ICD-10 Codes to ICD-9

Proper Directions

Type a couple of digits or characters to find an ICD-9 or ICD-10 code to convert:

Convert

Tip: Use this shorthand URL to quickly convert a code:

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All 2012 Codes & Indexes



Search

[2012 ICD-10-CM Codes](#) ▾

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[Convert to/from 2012 ICD-10-CM](#)

[2012 ICD-10-PCS Codes](#) ▾

[About](#) ▾

Convert ICD-10-CM K51.90 to ICD-9-CM

ICD-10-CM K51.90 converts approximately to:

- 2012 ICD-9-CM 556.9 [↗](#) Ulcerative colitis unspecified

GEM Flag: Exact Match



| ICD-9 | Desc | ICD10 | Desc | Approx | No Map | Comb | Scenario | Choice |
|-------|----------------|-------|----------------|--------|--------|------|----------|--------|
| 579.1 | Tropical Sprue | K90.1 | Tropical Sprue | 0 | 0 | 0 | 0 | 0 |

- The Approximate Flag: code 0 means exact match.
- You can come up with a business rule
 - Do you take them as face-value?
 - Do you want to evaluate these exact-matches as well?

GEM Flag: Approximate Match



| ICD-9 | Desc | ICD10 | Desc | Approx | No Map | Comb | Scenario | Choice |
|--------|--|--------|---|--------|--------|------|----------|--------|
| 518.53 | Acute and chronic resp failure following surgery | J96.20 | Acute and chronic resp failure with hypoxia | 1 | 0 | 0 | 0 | 0 |

- The Approximate Flag: code **1** means approximate match in descriptions.
- Business rule:
 - How will these descriptions affect your project or study?

GEM Flag: No Map



| ICD-9 | Desc | ICD10 | Desc | Approx | No Map | Comb | Scenario | Choice |
|--------|-----------------------------|-------|-------|--------|----------|------|----------|--------|
| 707.25 | Pressure ulcer, unstageable | NoDx | No Dx | 1 | 1 | 0 | 0 | 0 |

- The No Map Flag: code **1** means there are no codes to match the description (found in proper direction)
- Business Rule:
 - Are there any other codes to consider?
 - Consider reverse method to find additional codes.

Example of “No Map”



| ICD9 | Description | Map | ICD10 | Description |
|--------|-----------------------------|--------|---------|--|
| 707.25 | Pressure Ulcer, unstageable | F Map | No DX | No DX |
| | | RB Map | L89.000 | Pressure ulcer, unstageable, unspec. elbow |
| | | RB Map | L89.010 | Pressure ulcer, unstageable, right elbow |
| | | RB Map | L89.020 | Pressure ulcer, unstageable, left elbow |
| | | RB Map | L89.100 | Pressure ulcer, unstageable, unspec. back |
| | | RB Map | L89.110 | Pressure ulcer, unstageable, rt.upper back |
| | | RB Map | L89.120 | Pressure ulcer, unstageable, lt.upper back |
| | | RB Map | L89.130 | Pressure ulcer, unstageable, rt.lower back |
| | | RB Map | L89.140 | Pressure ulcer, unstageable, lt.lower back |
| | | RB Map | L89.1xx | Many, many more! |

GEM Flag: Combination



52.7 Radical Pancreaticoduodenectomy (source)

| ICD10 Target | Desc | Approx | No Map | Comb | Scenario | Choice |
|--------------|--|--------|--------|----------|----------|--------|
| OFTG0ZZ | Resection of pancreas, open approach | 1 | 0 | 1 | 2 | 1 |
| ODT90ZZ | Resection of duodenum, open approach | 1 | 0 | 1 | 2 | 2 |
| OF190Z3 | Bypass common bile duct to duodenum, open approach | 1 | 0 | 1 | 2 | 3 |

- The Combination Flag: code **1** means it takes more than one target code to satisfy all the meaning of the source code.
- Business Rule:
 - Do you want to capture all choices or are you limited to one choice?

Example of “Combination”



| Scenario | Choice | ICD-10 | Description |
|----------|--------|---------|--|
| 2 | 1 | 0FTG0ZZ | Resection of Pancreas, Open Approach |
| 2 | 2 | 0DT90ZZ | Resection of Duodenum, Open Approach |
| 2 | 3 | 0F190Z3 | Bypass Common Bile Duct to Duodenum, Open Approach |
| | | | |
| 2 | 1 | 0FTG0ZZ | Resection of Pancreas, Open Approach |
| 2 | 2 | 0DT90ZZ | Resection of Duodenum, Open Approach |
| 2 | 4 | 0F1G0ZC | Bypass Pancreas to Large Intestine, Open Approach |
| | | | |
| 2 | 1 | 0FTG0ZZ | Resection of Pancreas, Open Approach |
| 2 | 2 | 0DT90ZZ | Resection of Duodenum, Open Approach |
| 2 | 5 | 0D160ZA | Bypass Stomach to Jejunum, Open Approach |

Diagnosis Mapping Example

Severe sepsis with septic shock



| 3 codes | ICD-9-CM |
|----------------|------------------------|
| 038.9 | Unspecified septicemia |
| 995.92 | <u>Severe sepsis</u> |
| 785.52 | <u>Septic shock</u> |

| 2 codes | ICD-10-CM |
|----------------|--|
| A41.9 | Septicemia, unspecified |
| R65.21 | <u>Severe sepsis with septic shock</u> |

ICD-10-CM has **more combination codes**
Condition + Site/Symptom + Attribute about the diagnosis.

Procedure Mapping Example

Radical Pancreaticoduodenectomy



| 1 code | ICD-9-CM |
|---------------|---------------------------------|
| 52.7 | Radical Pancreaticoduodenectomy |

| 3 codes | ICD-10-PCS |
|----------------|--|
| OFTG0ZZ | Resection of pancreas, open approach |
| ODT90ZZ | Resection of duodenum, open approach |
| OF190Z3 | Bypass common bile duct to duodenum, open approach |

ICD-10-PCS will not have combination codes.
Every objective and approach must have a separate code for each site.

ICD-10-CM/PCS Conversion Work Groups



- Ten Work Groups – based on QI technical specifications
 - Cancer, Cardiac, Critical Care/Pulmonary, Infection, Internal Medicine, Neonatal/Pediatric, Neurology, OB/GYN, Orthopedic, and Surgery
- Roles
 - Evaluate the results of automated ‘coding mapping’ from ICD-9-CM to ICD-10-CM/PCS
 - Provide input and advice if mapped codes are appropriate
 - Offer specific recommendations how QIs should re-specified using ICD-10-CM/PCS codes
 - Retain clinical intent of each indicator

Questions to Ask Yourself....



- Are both ICD-9-CM and ICD-10-CM/PCS codes possible clinical equivalents?
- Do they contradict the intent of the data study?
- Are there coding guidelines that need to be considered for the use of this project?
- Are there missing codes that were not captured by the mapping process?
- Are there combinations of codes that warrant changes to the logic of your existing project?
- Determine how far do you want to go in mapping?
See the next few slides.

Mapping Results: Require Discussion



| ICD-9-CM | Description | ICD-10-CM | Description |
|----------|--|-----------|---|
| 070.42 | Hepatitis delta with hepatic coma | B17.0 | Acute delta(super) infection of hepatitis B carrier |
| 070.43 | Hepatitis E with hepatic coma | B17.2 | Acute Hepatitis E |
| 070.44 | Chronic hepatitis C with hepatic coma | B17.8 | Chronic viral hepatitis C |

| Look up in the ICD-10-CM for hepatic coma | |
|---|--|
| K72.00 | Acute & subacute hepatic failure with coma |
| K72.11 | Chronic hepatic failure with coma |

Factors to Think About....

- Time to map codes
- Time to review descriptions
- Time to review questionable codes
- Time to review coding instructions
- Time to discuss together
- Develop user-defined rules for your product or project
- Decision-making process on choices
- Time for additional reviews by subject matter experts
- Time to test the results
- Time to document the map, rules, choices, notes



Questions?

ICD-10



<https://questions.cms.gov/>

Stay focused on ICD-10 Readiness

