ICD-10-CM/PCS Implementation and General Equivalence Mappings (Crosswalks) Overview







Pat Brooks, RHIA
Senior Technical Advisor
Hospital and Ambulatory Policy Group
Center for Medicare Management
Centers for Medicare & Medicaid Services
(CMS)

Patricia.brooks2@cms.hhs.gov

ICD-10 Final Rule CMS-0013-F

- Published January 16, 2009
- October 1, 2013 Compliance date for implementation of ICD-10-Clinical Modification (CM) and ICD-10-Procedure Coding System (PCS)
- No impact on Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) codes

http://edocket.access.gpo.gov/2009/pdf/E9-743.pdf

- Single implementation date for all users
 - Date of service for ambulatory and physician reporting
 - Date of discharge for inpatient settings
- ICD-9-CM codes will not be accepted for services provided on or after October 1, 2013
- ICD-9-CM claims for services prior to implementation date will continue to flow through systems for a period of time

- Outreach and education
 - CMS has collaboratively developed materials and conducted outreach conference calls with American Hospital Association (AHA), American Health Information Management Association (AHIMA), and Centers for Disease Control and Prevention (CDC) (Cooperating Parties)

http://www.cms.hhs.gov/ICD10/05_Educational_Resources.asp

http://www.cms.hhs.gov/ICD10/07_Sponsored_Calls.asp

- Additional outreach and educational efforts in collaboration with Cooperating Parties are planned
- AHA, AHIMA, and others will also provide more detailed outreach and educational resources

- ICD-9-CM Coordination and Maintenance (C & M) Committee discusses
 - Updates to ICD-9-CM, ICD-10-CM, and ICD-10-PCS
 - Number of total codes changes with updates
 http://www.cms.hhs.gov/ICD9ProviderDiagnosti
 ccodes/03_meetings.asp

- Agenda item for September 16 17, 2009
 ICD-9-CM C & M Committee Meeting
 - Should ICD-10 and/or ICD-9-CM be frozen prior to implementation?
 - When should the freeze begin?
- Register for meeting beginning August 14, 2009

https://www.cms.hhs.gov/apps/events/upcoming events.asp?strOrderBy=1&type=3

- Resources available on CMS and CDC websites
 - Complete ICD-10-CM and PCS systems including guidelines
 - General Equivalence Mappings (GEM) between
 ICD-9-CM and ICD-10 (both ways)
 - User's Guide for GEMs
 - Abbreviated Reimbursement Mappings
 - Development of ICD-10 version of Medicare Severity
 Diagnosis Related Groups (MS-DRG)

Complete Versions of ICD-10

ICD-10-CM (Diagnoses)

http://www.cms.hhs.gov/ICD10/02m_2009_ICD_10_CM.asp

ICD-10-PCS (Procedures)

http://www.cms.hhs.gov/ICD10/01m_2009_ICD 10PCS.asp

ICD-9-CM Users

- ICD-10-CM will replace ICD-9-CM Diagnoses, which is used by all types of providers
- ICD-10-PCS will replace ICD-9-CM Procedures, which is used only by inpatient hospitals
- CPT and HCPCS, which are used for all ambulatory and physician procedure reporting, are not being replaced by ICD-10

ICD-9-CM is Outdated

- 30 years old technology has changed
- Many categories full
- Not descriptive enough

Countries Using ICD-10 for Reimbursement or Case Mix

- United Kingdom (1995)
- Nordic countries (Denmark, Finland, Iceland, Norway, and Sweden) (1994 – 1997)
- France (1997)
- Australia (1998)
- Belgium (1999)
- Germany (2000)
- Canada (2001)

Structural Differences – Diagnoses

- ICD-9-CM has 3 − 5 digits
- Chapters 1 17: all characters are numeric
- Supplemental chapters first digit is alpha (E or V), remainder are numeric
 - 496 Chronic airway obstruction not elsewhere classified (NEC)
 - 511.9 Unspecified pleural effusion
 - V02.61 Hepatitis B carrier

Structural Differences – Diagnoses

- ICD-10-CM has 3 7 digits
- Digit 1 is alpha (A − Z, not case sensitive)
- Digit 2 is numeric
- Digits 3 7 are alpha (not case sensitive) or numeric
 - A78 Q fever
 - A69.20 Lyme disease, unspecified
 - O9A.311 Physical abuse complicating pregnancy, first trimester
 - S42.001A Fracture of unspecified part of right clavicle, initial encounter for closed fracture

Structural Differences – Procedures

- ICD-9-CM has 3 4 digits
- All 4 digits are numeric
 - 43.5 Partial gastrectomy with anastomosis to esophagus
 - 44.42 Suture of duodenal ulcer site

Structural Differences – Procedures

- ICD-10-PCS has 7 digits
- Each can be either alpha (not case sensitive) or numeric
- Numbers 0 9 are used
- Letters O and I are not used to avoid confusion with numbers 0 and 1
 - OFB03ZX Excision of liver, percutaneous approach, diagnostic
 - 0DQ10ZZ Repair, upper esophagus, open approach

Number of Codes – 2009

Diagnoses

- ICD-9-CM 14,025

- ICD-10-CM 68,069

Procedures

- ICD-9-CM 3,824

- ICD-10-PCS 72,589

ICD-9/ICD-10 Code Mappings

- ICD-9 and ICD-10 codes are quite different
- Tools are needed to convert data
- GEMs
 - Designed to aid in converting applications and systems from ICD-9 to ICD-10
 - Bi-directional mappings
 - "Find and replace" codes or lists of codes

Bi-Directional Mappings

Source →	Target	A.K.A.
From ICD-9-CM	To ICD-10-CM	"Forward mapping"
From ICD-10-CM	To ICD-9-CM	"Backward mapping"

Use of GEMs to Convert Payment System

- CMS illustrated use of GEMs by developing ICD-10 version of MS-DRGs
- Began with digestive MS-DRGs, Major Diagnostic Category (MDC 6)
- Presented results at September 24, 2008
 ICD-9-CM C & M Committee Meeting
- Will complete all MS-DRGs by October 1, 2009

http://www.cms.hhs.gov/ICD9ProviderDiagnosticCodes/03_meetings.asp

MS-DRG Conversion Goals

- Coded in ICD-9 or ICD-10, the same patient is assigned to the same MS-DRG
- Clinically equivalent
- Definitions manual has familiar look and feel

MDC 6, DISEASES & DISORDERS			
OF	OF THE DIGESTIVE SYSTEM		
A00*	Cholera (3 codes)		
A020	Salmonella enteritis		
A03*	Shigellosis (6 codes)		
A04*	Other bacterial intestinal infections (10 codes)		
A050	Foodborne staphylococcal intoxication		
A052	Foodborne Clostridium perfringens [Clostridium welchii] intoxication		
A053	Foodborne Vibrio parahaemolyticus intoxication		
A054	Foodborne Bacillus cereus intoxication		
A055	Foodborne Vibrio vulnificus intoxication		
A058	Other specified bacterial foodborne intoxications		
A059	Bacterial foodborne intoxication, unspecified		

Find and Replace Diagnosis Codes 4 ICD-9-CM Codes Replaced by 28 ICD-10-CM Codes

DRG385	
DRG386	disease w MCC Inflammatory bowel disease w CC
DRG38	Inflammatory bowel disease w/o CC/MCC
PRINCIP	PAL DIAGNOSIS
5550	Reg enteritis, sm intest
1	Reg enteritis, lg intest
1	Reg enterit sm/lg intest
	Regional enteritis NOS
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DRG 385 Inflammatory bowel disease w MCC
DRG 386 Inflammatory bowel disease w CC
DRG 387 Inflammatory bowel disease w/o CC/MCC
PRINCIPAL DIAGNOSIS
K5000 Crohn's disease of small intestine without complications
K50011 Crohn's disease of small intestine with rectal bleeding
K50012 Crohn's disease of small intestine with intestinal obstruction
K50013 Crohn's disease of small intestine with fistula
K50014 Crohn's disease of small intestine with abscess
K50018 Crohn's disease of small intestine with other complication
K50019 Crohn's disease of small intestine with unspecified complications
K5010 Crohn's disease of large intestine without complications
K50111 Crohn's disease of large intestine with rectal bleeding
K50112 Crohn's disease of large intestine with intestinal obstruction
K50113 Crohn's disease of large intestine with fistula
K50114 Crohn's disease of large intestine with abscess
K50118 Crohn's disease of large intestine with other complication
K50119 Crohn's disease of large intestine with unspecified complications
K5080 Crohn's disease of both small and large intestine without complications
K50811 Crohn's disease of both small and large intestine with rectal bleeding
K50812 Crohn's disease of both small and large intestine with intestinal obstruction
K50813 Crohn's disease of both small and large intestine with fistula
K50814 Crohn's disease of both small and large intestine with abscess
K50818 Crohn's disease of both small and large intestine with other complication

Find and Replace Procedure Codes

2 ICD-9-CM Codes Replaced by 112 ICD-10-PCS Codes

DRG33	5 Peritoneal
	Adhesiolysis w
	MCC
DRG33	66 Peritoneal
	Adhesiolysis w CC
DRG33	37 Peritoneal
	Adhesiolysis w/o
	CC/MCC
OPER/	ATING ROOM
PROCE	EDURES
5451	Lap periton adhesiolysis
5459	Oth periton adhesiolysis

DRG 335	Peritoneal adhesiolysis w MCC
DRG 336	Peritoneal adhesiolysis w CC
DRG 337	Peritoneal adhesiolysis w/o CC/MCC
OPERATIN	NG ROOM PROCEDURES: LYSIS
ODN80ZZ	Release Small Intestine, Open Approach
0DN82ZZ	Release Small Intestine, Open Endoscopic Approach
ODN83ZZ	Release Small Intestine, Percutaneous Approach
0DN84ZZ	Release Small Intestine, Percutaneous Endoscopic Approach
ODN90ZZ	Release Duodenum, Open Approach
ODN92ZZ	Release Duodenum, Open Endoscopic Approach
ODN93ZZ	Release Duodenum, Percutaneous Approach
0DN94ZZ	Release Duodenum, Percutaneous Endoscopic Approach
ODNA0ZZ	Release Jejunum, Open Approach
0DNA2ZZ	Release Jejunum, Open Endoscopic Approach
0DNA3ZZ	Release Jejunum, Percutaneous Approach
0DNA4ZZ	Release Jejunum, Percutaneous Endoscopic Approach
ODNB0ZZ	Release Ileum, Open Approach
0DNB2ZZ	Release Ileum, Open Endoscopic Approach
ODNB3ZZ	Release Ileum, Percutaneous Approach
0DNB4ZZ	Release Ileum, Percutaneous Endoscopic Approach
ODNE0ZZ	Release Large Intestine, Open Approach
0DNE2ZZ	Release Large Intestine, Open Endoscopic Approach

MS-DRGs Conversion Summary

	Diagnosis Codes	Procedure Codes	Total
Number Of Unique Lists in MS-DRGs	~200	~300	~500
Codes in MDC 6 Lists Auto-Replaced by Gems	99%	91%	95%
Codes In MDC 6 Lists Auto-Replaced by Gems and Modified by Clinical Review	1%	9%	5%

- The GEMs produce 95% of the MDC 6 mapping without any need for review
- The remaining 5% is based on MDC 6
 - Need for review of the remaining MDCs is expected to steadily decrease
 - As the rules derived for MDC 6 are applied to the remaining MDCs, fewer codes will need clinical review

Overly Broad ICD-9 Procedure Codes

- Approximately 200 overly broad ICD-9 Procedure Codes identified
- Should an ICD-9 Procedure Code be replaced with all associated PCS codes everywhere an ICD-9 code is listed?
- Because PCS codes always specify body part, approach and device, 92.27 is associated with 261 PCS codes

Examples of Overly Broad ICD-9 Codes

ICD-9	Description
92.27	Radioactive elem implant
86.09	Skin & subq incision NEC
83.82	Muscle or fascia graft
81.96	Other repair of joint
80.19	Other arthrotomy NEC
77.19	Bone incis w/o div NEC
39.50	Angio oth non-coronary
39.31	Suture of artery
39.29	Vasc shunt & bypass NEC
38.21	Blood vessel biopsy
01.24	Other craniotomy
04.04	Peripheral nerve incis
	NEĊ

Solution for ICD-9 Overly Broad Procedure Codes

- Limit the assignment of PCS codes associated with overly broad ICD-9 codes to anatomic sites corresponding to each MDC
- MDC 6 Example
 - DRGs 356, 357, 358 Other Digestive System O.R. Procedures
 92.27 Implantation or Insertion of Radioactive Elements
- For Procedure 92.27, only 10 of the 261 PCS codes are assigned to MDC 6

Likely in MDC 6			
0DH571Z	Insertion of Radioactive Element into Esophagus, Via Natural or Artificial		
	Opening		
0DHP81Z	Insertion of Radioactive Element into Rectum, Via Natural or Artificial Opening Endoscopic		

Extremely Unlikely in MDC 6		
08H0X1Z	Insertion of Radioactive Element	
	into Right Eye, External Approach	
0BHL01Z	Insertion of Radioactive Element	
	into Left Lung, Open Approach	
0HHU31Z	Insertion of Radioactive Element	
	into Left Breast, Percutaneous	
	Approach	

ICD-9 Code Conflicts

- An ICD-10 Code is assigned to more than one ICD-9 code and the ICD-9 codes are assigned to different MS-DRGs
- To resolve the conflict for ICD-10 code I09.89, the ICD-10 code is assigned to the ICD-9 code 397.1, which results in the most appropriate MS-DRG assignment

109.89	Other specified rheumatic heart diseases
	Rheumatic disease of
	pulmonary valve

I09.89 combines the descriptions of two ICD-9 codes. All other rheumatic diseases of the heart currently classified have unique codes in ICD-10-CM, and according to frequency data ICD-9 code 398.99 is rarely used.

398.99	Other rheumatic heart diseases
	In MDC 5 DRG 314, 315, 316
	Other circulatory system
	diagnoses
397.1	Rheumatic diseases of
	pulmonary valve
	In MDC 5 DRG 306, 307
	Cardiac congenital and
	valvular disorders

Use of GEMs to Convert Payment System

- Will discuss progress at future C & M meetings
- Next meeting September 16 –17, 2009 in CMS auditorium, Baltimore, MD
- Work completed to date has been posted
- Will complete ICD-10 Grouper by October 2009
- Will post complete Grouper by end of 2009
- Final Grouper logic subject to rulemaking
 http://www.cms.hhs.gov/ICD10/01m_2009_ICD10PCS.asp

Why Do We Need the GEMs? *ICD-10 is Much More Specific*

Diagnoses

– ICD-9-CM 14,025 codes

– ICD-10-CM 68,069 codes

Procedures

ICD-9-CM 3,824 codes

– ICD-10-PCS 72,589 codes

Why Do We Need the GEMs? *ICD-10 is Much More Specific*

• One ICD-9 Diagnosis Code represented by multiple ICD-10 codes

82002	Fracture of	of midcervical section of femur, closed
From	S72031A	Displaced midcervical fracture of right femur, initial encounter for closed fracture
From	S72031G	Displaced midcervical fracture of right femur, subsequent encounter for closed fracture with delayed healing
From	S72032A	Displaced midcervical fracture of left femur, initial encounter for closed fracture
From	S72032G	Displaced midcervical fracture of left femur, subsequent encounter for closed fracture with delayed healing
From	S72033A	Displaced midcervical fracture of unspecified femur, initial encounter for closed fracture
From	S72033G	Displaced midcervical fracture of unspecified femur, subsequent encounter for closed fracture with delayed healing
From	S72034A	Nondisplaced midcervical fracture of right femur, initial encounter for closed fracture
From	S72034G	Nondisplaced midcervical fracture of right femur, subsequent encounter for closed fracture with delayed healing
From	S72035A	Nondisplaced midcervical fracture of left femur, initial encounter for closed fracture
From	S72035G	Nondisplaced midcervical fracture of left femur, subsequent encounter for closed fracture with delayed healing
From	S72036A	Nondisplaced midcervical fracture of unspecified femur, initial encounter for closed fracture
From	S72036G	Nondisplaced midcervical fracture of unspecified femur, subsequent encounter for closed fracture with delayed healing

Why Do We Need the GEMs?

 One ICD-10 Diagnosis Code represented by multiple ICD-9 codes

E11341 Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema

To ICD-9 cluster

25050 Diabetes with ophthalmic manifestations, type II or specified type, not stated as uncontrolled

36206 Severe nonproliferative diabetic retinopathy

36207 Diabetic macular edema

Why Do We Need the GEMs? There are New ICD-10 Concepts

- A few ICD-10 codes have no predecessor ICD-9 codes
- T500x6A Underdosing of mineralocorticoids and their antagonists, initial encounter
- T501x6A Underdosing of loop [high-ceiling] diuretics, initial encounter
- T502x6A Underdosing of carbonic-anhydrase inhibitors, benzothiadiazides and other diuretics, initial encounter
- T503x6A Underdosing of electrolytic, caloric and water-balance agents, initial encounter
- T504x6A Underdosing of drugs affecting uric acid metabolism, initial encounter
- T505x6A Underdosing of appetite depressants, initial encounter
- T506x6A Underdosing of antidotes and chelating agents, initial encounter
- T507x6A Underdosing of analeptics and opioid receptor antagonists, initial encounter
- T508x6A Underdosing of diagnostic agents, initial encounter
- T50906A Underdosing of unspecified drugs, medicaments and biological substances, initial encounter
- T50996A Underdosing of other drugs, medicaments and biological substances, initial encounter
- T50A16A Underdosing of pertussis vaccine, including combinations with a pertussis component, initial encounter
- T50A26A Underdosing of mixed bacterial vaccines without a pertussis component, initial encounter
- T50A96A Underdosing of other bacterial vaccines, initial encounter
- T50B16A Underdosing of smallpox vaccines, initial encounter
- T50B96A Underdosing of other viral vaccines, initial encounter
- T50Z16A Underdosing of immunoglobulin, initial encounter
- T50Z96A Underdosing of other vaccines and biological substances, initial encounter

Why Do We Need the GEMs?

 One ICD-10 Procedure Code captured by multiple ICD-9 codes

0270346 Dilation of Coronary Artery, One Site, Bifurcation, with Drug-eluting Intraluminal Device, Percutaneous Approach

To ICD-9 cluster

0066 Percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy

0040 Procedure on single vessel

0045 Insertion of one vascular stent

3607 Insertion Of Drug-Eluting Coronary Artery Stents(S)

0044 Procedure on vessel bifurcation

027034Z Dilation of Coronary Artery, One Site with Drug-eluting Intraluminal Device, Percutaneous Approach *To ICD-9 cluster*

0066 Percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy

0040 Procedure on single vessel

0045 Insertion of one vascular stent

3607 Insertion Of Drug-Eluting Coronary Artery Stents(S)

Why Do We Need the GEMs?

- One ICD-9 Procedure Code captured by multiple ICD-10 codes
 - Notice the increased detail on the site and type of approach

8659 Suture Of Skin And Subcutaneous Tissue Of Other Sites

- To 0JQ10ZZ Repair Face Subcutaneous Tissue and Fascia, Open Approach
- To 0JQ13ZZ Repair Face Subcutaneous Tissue and Fascia, Percutaneous Approach
- To 0JQ40ZZ Repair Anterior Neck Subcutaneous Tissue and Fascia, Open Approach
- To 0JQ43ZZ Repair Anterior Neck Subcutaneous Tissue and Fascia, Percutaneous Approach
- To 0JQ50ZZ Repair Posterior Neck Subcutaneous Tissue and Fascia, Open Approach
- To 0JQ53ZZ Repair Posterior Neck Subcutaneous Tissue and Fascia, Percutaneous Approach
- To 0JQ60ZZ Repair Chest Subcutaneous Tissue and Fascia, Open Approach
- To 0JQ63ZZ Repair Chest Subcutaneous Tissue and Fascia, Percutaneous Approach
- To 0JQ70ZZ Repair Back Subcutaneous Tissue and Fascia, Open Approach
- To 0JQ73ZZ Repair Back Subcutaneous Tissue and Fascia, Percutaneous Approach
- To 0JQ80ZZ Repair Abdomen Subcutaneous Tissue and Fascia, Open Approach
- To 0JQ83ZZ Repair Abdomen Subcutaneous Tissue and Fascia, Percutaneous Approach

Where Can I Find the Diagnosis and Procedure GEMs?

 The CMS website has the GEMs and User's Guides

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http://www.cms.hhs.gov/ICD10/01m_2009_ICD
10PCS.asp
http://www.cms.hhs.gov/ICD10/02m_2009_ICD_10_
CM.asp
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How Do I Read the GEMs? GEM File Format

Example from ICD-10 Diagnosis mapping

- ICD-10 Source system code on the left side
- ICD-9 Target system code in the middle
- Flags on the right

T500x1A	9620	10111
T500x1A	E8580	10112
T500x1D	9620	10111
T500x1D	E8580	10112
T500x1S	9090	10111
T500x1S	E9292	10112
T500x2A	9620	10111
T500x2A	E9504	10112
T500x2D	9620	10111
T500x2D	E9504	10112
T500x2S	9090	10111
T500x2S	E959	10112

How Do I Read the GEMs?

- T1500xA 9300 10111
- T1500xA E914 10112
- T1500xD 9300 10111
- T1500xD E914 10112
- T1500xS 9085 10000

T1500xA Foreign body in cornea, unspecified eye, initial encounter *To ICD-9 cluster*9300 Corneal foreign body
E914 Foreign body accidentally entering eye and adnexa

T1500xD Foreign body in cornea, unspecified eye, subsequent encounter *To ICD-9 cluster*9300 Corneal foreign body
E914 Foreign body accidentally entering eye and adnexa

T1500xS Foreign body in cornea, unspecified eye, sequela *To* 9085 Late effect of foreign body in orifice

How Do I Read the GEMs? Flags

- ICD-10 Procedure GEM
- Read as

$$1 = On$$

$$0 = Off$$

- Three different flags
 - "Approximate" Flag 1
 - "No Map" Flag 2
 - "Combination" Flag 3(more detail in Flags4 5)

PCS →	ICD-9	+ Flags
0270346	0040	10112
0270346	0044	10115
0270346	0045	10113
0270346	0066	10111
0270346	3607	10114

How Do I Read the GEMs? The "Approximate" Flag

- Column 1 of the flags
- 1 means the translation is an Approximate match
 - The majority of alternatives are considered an Approximate match
- 0 means the translation is an Identical match
 - Rare in the Procedure GEMs
 - More common in the Diagnosis GEMs
- Example of Approximate match, not Identical match
 - T1500xA 9300 **1**0111
 - T1500xA E914 **1**0112

How Do I Read the GEMs? The "Approximate" Flag

- Column 1 of the flags
 - 0 means the translation is an Identical match
- Example of Identical match, ICD-9 code
 - 414.11 Aneurysm of coronary vessels
 - 41411 | 12542 **0**0000

How Do I Read the GEMs? The "No Map" Flag

- Column 2 of the flags
- 1 means there is no plausible translation for the source system code
- 0 means there is at least one plausible translation for the source system code
- Notice the NODX "No Description Found" entry instead of a code number in middle column
 - T500x6A NODX 11000
 - T500x6D NODX 1<u>1</u>000
 - T500x6S NODX 11000

T500x6A Underdosing of mineralocorticoids and their antagonists, initial encounter *To* NODX No description found

T500x6D Underdosing of mineralocorticoids and their antagonists, subsequent encounter

To NODX No description found

T500x6S Underdosing of mineralocorticoids and their antagonists, sequela *To* NODX No description found

How Do I Read the GEMs? Scenario and Choice List

- Flag 3
 - 1 means code maps to more than one code
 - 0 means the code maps to a single code
- Flags 4 and 5 further clarify combination entries

T1500xA	9300	10111
T1500xA	E914	10112
T1500xD	9300	10111
T1500xD	E914	10112
T1500xS	9085	10000

T1500xA Foreign body in cornea, unspecified eye, initial encounter

To ICD-9 cluster

9300 Corneal foreign body

E914 Foreign body accidentally entering eye and adnexa

T1500xD Foreign body in cornea, unspecified eye, subsequent encounter

To ICD-9 cluster

9300 Corneal foreign body

E914 Foreign body accidentally entering eye and adnexa

T1500xS Foreign body in cornea, unspecified eye, sequela

To 9085 Late effect of foreign body in orifice

Reimbursement Mappings

- Some payers found GEM detail daunting
 - Developed streamlined Reimbursement Mapping
 - One-to-one best map or occasional cluster of codes when required
- Reimbursement Mappings provide simpler conversion of codes for reimbursement purposes or for use in legacy systems

Development of Reimbursement Mapping

- Start with the ICD-10 to ICD-9 GEM
- Where an ICD-10 code is translated to one ICD-9 code, no additional review is necessary
 - 95% of the ICD-10 codes are translated to a single ICD-9 code
 - Many 1CD-10 codes are translated to the same ICD-9 code

Development of Reimbursement Mapping

- Where an ICD-10 code is translated to more than one ICD-9 code, historical ICD-9 code frequency data are used to determine the most commonly used ICD-9 code
 - Used Medicare Provider Analysis and Review
 (MedPAR) and California (for newborn and obstetrical codes) data
 - In vast majority of cases, there is a clear dominant code in terms of frequency
 - In rare cases, clinical review is needed to make the final choice

How Do I Use the Reimbursement Mappings? Reading the File

- ICD-10 code on the left side
- Digit in the middle indicates the number of ICD-9 codes required for a complete translation
- ICD-9 code or codes on the right side
- Reimbursement Mapping examples

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- ICD-10-CM Single ICD-9 codeS72032G 1 82002
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ICD-10-PCS ICD-9 code cluster
 02733D6 5 0066 0043 0048 3606 0044

Use of Mappings

- GEMs and Reimbursement Mappings designed to be used by all providers, payers, and data users
- Tools that assist in converting data
- Publicly available on the CMS and CDC websites
- We will continue to update and maintain the mappings

CMS Use of Mappings

- Convert payment systems and edits
- Convert national and local coverage decisions
- Convert quality measures
- Convert risk adjustments
- Analyze trend data pre-and post-ICD-10 implementation

ICD-10 Updates

- Posted on CMS ICD-10 website
 - 2009 Diagnosis GEMs and User's Guide
 - 2009 Procedure GEMs and User's Guide
 - 2009 Reimbursement Mappings
 - ICD-10 Digestive System MS-DRGs
 - 2009 version of ICD-10-CM and PCS codes and official coding guidelines

http://www.cms.hhs.gov/ICD10

CMS

 ICD-10 General Information http://www.cms.hhs.gov/ICD10

ICD-10 Educational Resources

http://www.cms.hhs.gov/ICD10/05_Educational

Resources.asp

CMS

ICD-10 CMS Sponsored Calls

http://www.cms.hhs.gov/ICD10/06a_2009_CMS_Sponsored_Calls.asp

http://www.cms.hhs.gov/ICD10/07_Sponsored_Calls.asp

ICD-10 Final Rule

http://edocket.access.gpo.gov/2009/pdf/E9-743.pdf

CDC

- General ICD-10 information
 http://www.cdc.gov/nchs/about/major/dvs/icd10des.htm
- ICD-10-CM files, information and general equivalence mappings between

ICD-10-CM and ICD-9-CM

http://www.cdc.gov/nchs/about/otheract/icd9/icd10cm.htm

AHA

- Central Office on ICD-9-CM <u>http://www.ahacentraloffice.org</u>
- AHA Central Office ICD-10 Resource Center http://www.ahacentraloffice.org/ICD-10

AHIMA

 ICD-10 General Information http://www.ahima.org/icd10

Questions or Comments?

ICD-9 Notice

The International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) is published by the United States Government. A CD-ROM, which may be purchased through the Government Printing Office, is the only official Federal government version of the ICD-9-CM. ICD-9-CM is an official Health Insurance Portability and Accountability Act standard.