

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



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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>

ICD-10 Final Rule Issues

- 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

ICD-10 Final Rule Issues

- 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

ICD-10 Final Rule Issues

- 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-10 Final Rule Issues

- 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/ICD9ProviderDiagnosticCodes/03_meetings.asp

ICD-10 Final Rule Issues

- 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

ICD-10 Final Rule Issues

- 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 Diagnostic 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_ICD10PCS.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
- Digit 3 is alpha (not case sensitive) or numeric
- Digits 4 – 7 are alpha (not case sensitive) or numeric
 - A66 - Yaws
 - 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 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 Inflammatory bowel disease w MCC

DRG386 Inflammatory bowel disease w CC

DRG38 Inflammatory bowel disease w/o CC/MCC

PRINCIPAL DIAGNOSIS

5550 Reg enteritis, sm intest

5551 Reg enteritis, lg intest

5552 Reg enterit sm/lg intest

5559 Regional enteritis NOS

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

DRG335 Peritoneal
Adhesiolysis w MCC

DRG336 Peritoneal
Adhesiolysis w CC

DRG337 Peritoneal
Adhesiolysis w/o
CC/MCC

OPERATING ROOM PROCEDURES

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

OPERATING ROOM PROCEDURES: LYSIS

0DN80ZZ Release Small Intestine, Open Approach

0DN82ZZ Release Small Intestine, Open Endoscopic Approach

0DN83ZZ Release Small Intestine, Percutaneous Approach

0DN84ZZ Release Small Intestine, Percutaneous Endoscopic Approach

0DN90ZZ Release Duodenum, Open Approach

0DN92ZZ Release Duodenum, Open Endoscopic Approach

0DN93ZZ Release Duodenum, Percutaneous Approach

0DN94ZZ Release Duodenum, Percutaneous Endoscopic Approach

0DNA0ZZ Release Jejunum, Open Approach

0DNA2ZZ Release Jejunum, Open Endoscopic Approach

0DNA3ZZ Release Jejunum, Percutaneous Approach

0DNA4ZZ Release Jejunum, Percutaneous Endoscopic Approach

0DNB0ZZ Release Ileum, Open Approach

0DNB2ZZ Release Ileum, Open Endoscopic Approach

0DNB3ZZ Release Ileum, Percutaneous Approach

0DNB4ZZ Release Ileum, Percutaneous Endoscopic Approach

0DNE0ZZ 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 NEC

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 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

http://www.cms.hhs.gov/ICD10/01m_2009_ICD_10PCS.asp

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

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 Flags
4 – 5)

<u>PCS</u> →	<u>ICD-9</u> +	<u>Flags</u>
02733ZZ	0040	10112
02733ZZ	0041	10112
02733ZZ	0042	10112
02733ZZ	0043	10112
02733ZZ	0066	10111
02733ZZ	3609	10000

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 10111
 - T1500xA E914 10112

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
414.1 – Aneurysm of coronary vessels
 - 41411 I2542 00000

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” entry instead of a code number in middle column
 - T5006A NODX 11000
 - T5006D NODX 11000
 - T5006D 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

T500x1A	9620	10111
T500x1A	E8580	10112
T500x1D	9620	10111
T500x1D	E8580	10112
T500x1S	9090	10111
T500x1S	E9292	10112

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 ICD-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
 - ICD-10-CM Single ICD-9 code
 S72032G 82002
 - ICD-10-PCS ICD-9 code cluster
 02733D6 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>

ICD-10 Web Resources

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
- ICD-10 CMS Sponsored Calls
http://www.cms.hhs.gov/ICD10/07_Sponsored_Calls.asp
- ICD-10 Final Rule
<http://edocket.access.gpo.gov/2009/pdf/E9-743.pdf>

ICD-10 Web Resources

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>

ICD-10 Web Resources

AHA

- Central Office on ICD-9-CM
<http://www.ahacentraloffice.org>
- 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?

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ICD-9 Notice

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