ICD-10 GEMs FY2012 Version Update

Update Summary

Updated FY2012 GEMs to be Posted

The updated FY2012 General Equivalence Mappings (GEMs) will be posted for public comment in early October 2011 for procedure codes and early December 2011 for diagnosis codes. Both will be posted on the CMS website along with GEMs User Guide and Documentation for Technical Users, at http://www.cms.gov/ICD10. The diagnosis GEMs are also posted on the CDC website at http://www.cdc.gov/nchs/icd/icd10cm.htm.

All changes to date resulting from public comment and internal review have been incorporated into the FY2012 GEMs. The types of comments received include
- Suggested additional translation alternatives based on inclusion criteria (e.g., the same clinical term occurred in the index for both ICD-9 and ICD-10)
- Requested a new cluster translation for completeness
- Reported "exact match" flag inconsistencies
- Recommended deleting entries that do not meet inclusion criteria

All changes meeting inclusion criteria were made for the FY2012 update. Review and testing of all entries containing the exact match flag was undertaken to ensure that all such entries meet the strict criteria for exact match as defined in the GEMs Documentation for Technical Users.

Updated documentation for general and technical users of the GEMs will be posted with the GEMs files. The GEMs Documentation for Technical Users
- Specifies GEMs entry inclusion criteria and provides examples
- Discusses GEMs flags in detail and provides examples
- Answers other frequently asked technical questions
- Discusses translation rules for obstetrics and angioplasty

Examples of updated GEMs entries for FY2012 are provided in the following pages.

Public comment:
ICD-10-CM to ICD-9-CM GEM entry for "NASH" code

2011 entry	Updated 2012 entry	Comment
Example **K75.81** Nonalcoholic steatohepatitis (NASH) To **573.3** Hepatitis, unspecified	**Example** **K75.81** Nonalcoholic steatohepatitis (NASH) To **571.8** Other chronic nonalcoholic liver disease **OR** **573.3** Hepatitis, unspecified	Although the available ICD-9-CM index and tabular instruction are not explicit as to ICD-9-CM coding for NASH, adding another approximate 10 to 9 GEMs translation meets inclusion criteria. The existing translation to 573.3 is also approximate.

Public comment:
ICD-9-CM to ICD-10-PCS GEM entry for "radical laryngectomy" code

2011 entry	Updated 2012 entry	Comment
Example Scenario 1 **30.4** Radical laryngectomy **Choice List 1** To **0CTS[0,4,7,8]ZZ** Resection of Larynx (4 codes) **AND** **Choice List 2** To **0WB6[0,3,4,X]ZZ** Excision of Neck Region (4 codes)	**Example Scenario 1** **30.4** Radical laryngectomy **Choice List 1** To **0CTS[0,4,7,8]ZZ** Resection of Larynx (4 codes **AND** **Choice List 2** To **07T[1,2][0,4]ZZ** Resection of Neck Lymphatic (4 codes)	The neck dissection portion of the PCS cluster translation of ICD-9-CM code 30.4 Radical laryngectomy has been modified to match the translation of ICD-9-CM radical neck dissection code 40.40. Radical neck dissection, not otherwise specified, for consistency

Public comment:
Diagnosis GEM entries (both files) for "CNS complication" code

2011 entry	Updated 2012 entry	Comment
Example ICD-9-CM GEM **997.01** Central nervous system complication To **G97.2** Intracranial hypotension following ventricular shunting	**Example ICD-9-CM GEM** **997.01** Central nervous system complication To **G97.81** Other intraoperative complications of nervous system **OR** To **G97.82** Other postprocedural complications and disorders of nervous system	The current translation of the ICD-9-CM code does not meet inclusion criteria. The target system code translation contains more information than that contained in the source system code. The updated entry contains two ICD-10-CM alternatives that meet inclusion criteria.

Public comment:
Diagnosis GEM entries (both files) for "abnormal findings" code

2011 entry	Updated 2012 entry	Comment
Example **R79.89** Other specified abnormal findings of blood chemistry To **790.99** Other nonspecific findings on examination of blood	**Example** **R79.89** Other specified abnormal findings of blood chemistry To **790.6** Other abnormal blood chemistry **OR** **790.99** Other nonspecific findings on examination of blood	Meets inclusion criteria for additional approximate translation alternative.

Public comment:
ICD-9-CM to ICD-10-PCS GEM entry for "limb lengthening procedure" code

2011 entry	Updated 2012 entry	Comment
Example Scenario 3 **78.39** Limb lengthening procedures, other bones **Choice List 1** **0P8T0ZZ** Division of Right Finger Phalanx, Open Approach **OR** **0P8T3ZZ** Division of Right Finger Phalanx, Percutaneous Approach **OR** **0P8T4ZZ** Division of Right Finger Phalanx, Percutaneous Endoscopic Approach **AND** **Choice List 2** **0PUT07Z** Supplement Right Finger Phalanx with Autologous Tissue Substitute, Open Approach **OR** **0PUT0KZ** Supplement Right Finger Phalanx with Nonautologous Tissue Substitute, Open Approach **OR** **0PUT37Z** Supplement Right Finger Phalanx with Autologous Tissue Substitute, Percutaneous Approach **OR** **0PUT3KZ** Supplement Right Finger Phalanx with Nonautologous Tissue Substitute, Percutaneous Approach **OR** **0PUT47Z** Supplement Right Finger Phalanx with Autologous Tissue Substitute, Percutaneous Endoscopic Approach **OR** **0PUT4KZ** Supplement Right Finger Phalanx with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	**Example Scenario 1** **78.39** Limb lengthening procedures, other bones **Choice List 1** **0P8T0ZZ** Division of Right Finger Phalanx, Open Approach **OR** **0P8T3ZZ** Division of Right Finger Phalanx, Percutaneous Approach **OR** **0P8T4ZZ** Division of Right Finger Phalanx, Percutaneous Endoscopic Approach **AND** **Choice List 2** **0PUT07Z** Supplement Right Finger Phalanx with Autologous Tissue Substitute, Open Approach **OR** **0PUT0KZ** Supplement Right Finger Phalanx with Nonautologous Tissue Substitute, Open Approach **OR** **0PUT37Z** Supplement Right Finger Phalanx with Autologous Tissue Substitute, Percutaneous Approach **OR** **0PUT3KZ** Supplement Right Finger Phalanx with Nonautologous Tissue Substitute, Percutaneous Approach **OR** **0PUT47Z** Supplement Right Finger Phalanx with Autologous Tissue Substitute, Percutaneous Endoscopic Approach **OR** **0PUT4KZ** Supplement Right Finger Phalanx with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Typographical error. The number of scenarios in a combination entry was streamlined in the previous update and the scenario numbers were not reset to begin with scenario 1. The scenario numbers have been updated to reflect the change.

Public comment:
ICD-9-CM to ICD-10-PCS GEM entry for "endoscopic polypectomy" code

2011 entry	Updated 2012 entry	Comment
Example **48.36** [Endoscopic] polypectomy of rectum To **0DBP8ZZ** Excision of Rectum, Via Natural or Artificial Opening Endoscopic FLAGS: 10003	**Example** **48.36** [Endoscopic] polypectomy of rectum To **0DBP8ZZ** Excision of Rectum, Via Natural or Artificial Opening Endoscopic FLAGS: 10000	Typographical error. The entry is a single entry and the last flag is only used for combination entries. The flag was changed to zero.

Public comment:
Diagnosis GEM entries (both files) for "chronic ischemic heart disease NEC" code

2011 entry	Updated 2012 entry	Comment

Example ICD-9-CM GEM
414.8 Other specified forms of chronic ischemic heart disease
 	
To **I25.6** Silent myocardial ischemia
  OR
I25.89 Other forms of chronic ischemic heart disease
	Example ICD-9-CM GEM
	414.8 Other specified forms of chronic ischemic heart disease
	
	To **I25.6** Silent myocardial ischemia
	  OR
	I25.89 Other forms of chronic ischemic heart disease
	  OR
	I25.9 Chronic ischemic heart disease, unspecified
		414.8 and I25.9 both contain the index entry *Ischemia, ischemic > myocardium, myocardial (chronic or with a stated duration of over 8 weeks)*
		Therefore, meets inclusion criteria for additional approximate translation alternative in both diagnosis GEM files.

Public comment:
ICD-10-CM to ICD-9-CM GEM entry for "ventricular premature polarization" code

2011 entry	Updated 2012 entry	Comment
Example **I49.3** Ventricular premature depolarization To **427.1** Paroxysmal ventricular tachycardia	**Example** **I49.3** Ventricular premature depolarization To **427.69** Other premature beats	Typographical error. The recommended translation meets inclusion criteria according to the index entries for both ICD-9-CM and ICD-10-CM, for example, *Tachycardia > supraventricular*

Public comment:
Diagnosis GEM entries (both files) for "exact match" flag

2011 entry	Updated 2012 entry	Comment

Example ICD-9-CM GEM **126.9** Ancylostomiasis and necatoriasis, unspecified
 	
To **B76.8** Other hookworm diseases
FLAGS: 10000
  B76.9 Hookworm disease, unspecified
FLAGS: 00000
	Example ICD-9-CM GEM **126.9** Ancylostomiasis and necatoriasis, unspecified
	
	To **B76.8** Other hookworm diseases
	FLAGS: 10000
	  B76.9 Hookworm disease, unspecified
	FLAGS: 10000
		As a result of numerous public comments received in 2010 and incorporated in the 2011 update, additional translation alternatives were added at the 2011 update to entries flagged as an exact match. Such entries no longer meet the exact match definition as clarified in the GEMs technical documentation. The flags have been revised to an approximate match for the 2012 update.

Public comment:
ICD-10-CM to ICD-9-CM GEM entry for "Diabetes with hypoglycemia and coma"

2011 entry	Updated 2012 entry	Comment
Example **E08.641** Diabetes mellitus due to underlying condition with hypoglycemia with coma To 249.30 Secondary diabetes mellitus with other coma, not stated as uncontrolled, or unspecified **OR** To 249.30 Secondary diabetes mellitus with other coma, not stated as uncontrolled, or unspecified **AND** 249.30 Secondary diabetes mellitus with other coma, not stated as uncontrolled, or unspecified	**Example** **ICD-9-CM GEM** **E08.641** Diabetes mellitus due to underlying condition with hypoglycemia with coma To 249.30 Secondary diabetes mellitus with other coma, not stated as uncontrolled, or unspecified	Typographical error. A "combination" entry was listed that contained redundant translations of the single translation 249.30 in both choice lists. The unnecessary entry was removed for the 2012 update.

Internal review:
ICD-9-CM to ICD-10-CM GEM entries for "fracture of tibia with fibula" codes

2011 entry	Updated 2012 entry	Comment
Example **823.82** Closed fracture of unspecified part of fibula with tibia To **S82.91xA** Unspecified fracture of right lower leg, initial encounter for closed fracture **OR** **S82.92xA** Unspecified fracture of left lower leg, initial encounter for closed fracture	**Example Scenario 1** **823.82** Closed fracture of unspecified part of fibula with tibia **Choice List 1** **S82.201A** Unspecified fracture of shaft of right tibia, initial encounter for closed fracture **AND** **Choice List 2** **S82.401A** Unspecified fracture of shaft of right fibula, initial encounter for closed fracture **Scenario 2** **823.82** Closed fracture of unspecified part of fibula with tibia **Choice List 1** **S82.202A** Unspecified fracture of shaft of left tibia, initial encounter for closed fracture **AND** **Choice List 2** **S82.402A** Unspecified fracture of shaft of left fibula, initial encounter for closed fracture	According to the ICD-10-CM index, unspecified fracture site defaults to shaft, so an ICD-10-CM combination entry containing fracture of tibia shaft and fibula shaft is a better translation of the source system ICD-9-CM code.

Internal review:
Diagnosis GEM entries (both files) for "nervous system complication" code

2011 entry	Updated 2012 entry	Comment
Example ICD-9-CM GEM **997.09** Other nervous system complications To **G97.0** Cerebrospinal fluid leak from spinal puncture **OR** **G97.81** Other intraoperative complications of nervous system **OR** **G97.82** Other postprocedural complications and disorders of nervous system	**Example ICD-9-CM GEM** **997.09** Other nervous system complications To **G03.8** Meningitis due to other specified causes **OR** **G97.0** Cerebrospinal fluid leak from spinal puncture **OR** **G97.81** Other intraoperative complications of nervous system **OR** **G97.82** Other postprocedural complications and disorders of nervous system	Similar index entries in both code sets indicate that postprocedural meningitis is included in the complete meaning of the code, as in the example: *Meningitis (basal) (basic) (basilar) (brain) (cerebral) (cervical) (congestive) (diffuse) (hemorrhagic) (infantile) (membranous) (metastatic) (nonspecific) (pontine) (progressive) (simple) (spinal) (subacute) (sympathetica) (toxic) > due to > preventive immunization, inoculation, or vaccination*

Internal review:
Diagnosis GEM entries (both files) for "primary insomnia" code

2011 entry	Updated 2012 entry	Comment
Example ICD-10-CM GEM **F51.01** Primary insomnia To **327.41** Confusional arousals **F51.02** Adjustment insomnia To **327.42** REM sleep behavior disorder	**Example ICD-10-CM GEM** **F51.01** Primary insomnia To **307.42** Persistent disorder of initiating or maintaining sleep **F51.02** Adjustment insomnia To **307.41** Transient disorder of initiating or maintaining sleep	Typographical error.

Internal review:
ICD-9-CM to ICD-10-PCS GEM entries for "fistula repair" codes

2011 entry	Updated 2012 entry	Comment
Example **34.73** Closure of other fistula of thorax To **0WQ[8,C][0,3,4]ZZ** (6 codes) Repair of Chest Wall or Mediastinum	**Example Scenario 1** **34.73** Closure of other fistula of thorax **Choice List 1** To **0BQ[3-B][03478]ZZ** (40 codes) 0BQ30ZZ Repair of Bronchus **AND** **Choice List 2** **0DQW[034]ZZ** (3 codes) Repair of Peritoneum	In previous GEMs releases, translation of ICD-9-CM codes for repair of fistula were listed as single entries, specifying the "deepest" anatomical site of the repair in the ICD-10-PCS translation. Upon review it was determined that a complete translation should be an ICD-10-PCS combination entry containing ICD-10-PCS repair codes specifying both body parts involved in the fistula.