

ICD-10 GEMs FY2016 Version Update

Update Summary

The updated FY2016 General Equivalence Mappings (GEMs) are posted for public comment. All changes to date resulting from public comment and internal review have been incorporated into the FY2016 GEMs. The types of changes made include

- Cluster translations expanded for completeness
- Single entries expanded to better meet inclusion criteria
- Entries revised to better meet inclusion criteria

All changes meeting inclusion criteria were included in the updated files. Documentation for general and technical users of the GEMs is posted with the GEMs files.

In particular, 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 are provided in the following pages. Diagnosis GEMs entries are first, followed by procedure GEMs entries.

DIAGNOSIS GEMs

Public comment:

ICD-10-CM to ICD-9-CM GEM entry for “Persistent atrial fibrillation”

2015 entry	Updated 2016 entry	Comment
I48.1 Persistent atrial fibrillation To 427.32 Atrial flutter	I48.1 Persistent atrial fibrillation To 427.31 Atrial fibrillation	Typographical error. The ICD-10-CM code specifies atrial fibrillation.

Internal review:

ICD-10-CM to ICD-9-CM GEM entry for “thoracic disc disorder with radiculopathy”

2015 entry	Updated 2016 entry	Comment
Example M51.1[4-5] Intervertebral disc disorders with radiculopathy, thoracic region (2 codes) To 724.4 Thoracic or lumbosacral neuritis or radiculitis, unspecified	Example M51.1[4-5] Intervertebral disc disorders with radiculopathy, thoracic region (2 codes) To 722.92 Other and unspecified disc disorder, thoracic region	The updated entry is a closer match. The ICD-9-CM tabular instruction for 724.4 excludes radiculitis due to intervertebral disc disorder.

Internal review:

ICD-10-CM to ICD-9-CM GEM entry for “lumbar disc disorder with radiculopathy”

2015 entry	Updated 2016 entry	Comment
Example M51.1[6-7] Intervertebral disc disorders with radiculopathy, lumbar region (2 codes) To 724.4 Thoracic or lumbosacral neuritis or radiculitis, unspecified	Example M51.1[6-7] Intervertebral disc disorders with radiculopathy, lumbar region (2 codes) To 722.93 Other and unspecified disc disorder, lumbar region	The updated entry is a closer match. The ICD-9-CM tabular instruction for 724.4 excludes radiculitis due to intervertebral disc disorder.

Internal review:

ICD-10-CM to ICD-9-CM GEM entry for “Hydronephrosis with ureteral stricture”

2015 entry	Updated 2016 entry	Comment
N13.1 Hydronephrosis with ureteral stricture, not elsewhere classified To 591 Hydronephrosis	N13.1 Hydronephrosis with ureteral stricture, not elsewhere classified To Choice List 1 591 Hydronephrosis AND Choice List 2 593.3 Stricture or kinking of ureter	The updated entry is a more complete translation of the condition specified in the ICD-10-CM code. N13.1 is a combination code, and requires an ICD-9-CM translation cluster specifying both the hydronephrosis and the ureteral stricture.

ICD-10-CM to ICD-9-CM GEM entry for “Hydronephrosis with renal/ureteral calculus”

2015 entry	Updated 2016 entry	Comment
N13.2 Hydronephrosis with renal and ureteral calculus obstruction To 591 Hydronephrosis	N13.2 Hydronephrosis with renal and ureteral calculus obstruction To Choice List 1 591 Hydronephrosis AND Choice List 2 592.0 Calculus of kidney OR 592.1 Calculus of ureter OR 592.9 Urinary calculus, unspecified	The updated entry is a more complete translation of the condition specified in the ICD-10-CM code. N13.2 is a combination code, and requires an ICD-9-CM translation cluster specifying both the hydronephrosis and the urinary calculus.

Public comment:

ICD-9-CM to ICD-10-CM GEM entries for “Open skull fracture with concussion”

2015 entry	Updated 2016 entry	Comment
<p>Example 80[013].99 Open fracture of vault of skull with intracranial injury of other and unspecified nature, with concussion, unspecified (3 codes)</p> <p>Choice List 1 To S02.0XXA Fracture of vault of skull, initial encounter for closed fracture</p> <p>AND</p> <p>Choice List 2 S06.890A Other specified intracranial injury without loss of consciousness, initial encounter</p> <p>OR</p> <p>S06.9X9A Unspecified intracranial injury with loss of consciousness of unspecified duration, initial encounter</p>	<p>Example 80[013].99 Open fracture of vault of skull with intracranial injury of other and unspecified nature, with concussion, unspecified (3 codes)</p> <p>Choice List 1 To S02.0XXA Fracture of vault of skull, initial encounter for closed fracture</p> <p>AND</p> <p>Choice List 2 S06.890A Other specified intracranial injury without loss of consciousness, initial encounter</p> <p>OR</p> <p>S06.9X0A Unspecified intracranial injury without loss of consciousness, initial encounter</p>	<p>Typographical error. 800.99, 801.99 and 803.99 are translated to S06.9X9A in choice list 2 of the cluster. This has been changed to S06.9X0A.</p>

PROCEDURE GEMs

New codes:

ICD-10-PCS to ICD-9-CM GEM entry for “Administration of blinatumomab”

New 2016 entry	Comment
<p>Example XW03351 Introduction of Blinatumomab Antineoplastic Immunotherapy into Peripheral Vein, Percutaneous Approach, New Technology Group 1 (2 codes)</p> <p>To 99.25 Injection or infusion of cancer chemotherapeutic substance</p>	<p>The ICD-10-PCS codes are new for FY2016.</p>

New codes:

ICD-10-PCS to ICD-9-CM GEM entry for “Administration of idarucizumab”

New 2016 entry	Comment
<p>Example XW03331 Introduction of Idarucizumab, Dabigatran Reversal Agent into Peripheral Vein, Percutaneous Approach, New Technology Group 1 (2 codes)</p> <p>To 99.29 Injection or infusion of other therapeutic or prophylactic substance</p>	<p>The ICD-10-PCS codes are new for FY2016.</p>

New codes:

ICD-10-PCS to ICD-9-CM GEM entry for “Coronary orbital atherectomy”

New 2016 entry	Comment
Example X2C0361 Extirpation of Matter from Coronary Artery, One Site using Orbital Atherectomy Technology, Percutaneous Approach, New Technology Group 1 (4 codes) Choice List 1 To 17.55 Transluminal coronary atherectomy AND Choice List 2 00.40 Procedure on single vessel	The ICD-10-PCS codes are new for FY2016.

New codes:

ICD-10-PCS to ICD-9-CM GEM entry for “Administration of isavuconazole”

New 2016 entry	Comment
Example XW03341 Introduction of Isavuconazole Anti-infective into Peripheral Vein, Percutaneous Approach, New Technology Group 1 (2 codes) To 99.21 Injection of antibiotic	The ICD-10-PCS codes are new for FY2016.

New codes:

ICD-10-PCS to ICD-9-CM GEM entry for “Intraoperative knee replacement sensor”

New 2016 entry	Comment
Example XR2G021 Monitoring of Right Knee Joint using Intraoperative Knee Replacement Sensor, Open Approach, New Technology Group 1 (2 codes) To No19 No description	There is no translation in ICD-9-CM for the new ICD-10-PCS code.

New codes:

ICD-10-PCS to ICD-9-CM GEM entry for “Administration of ceftazidime-avibactam”

New 2016 entry	Comment
Example XW03321 Introduction of Ceftazidime-Avibactam Anti-infective into Peripheral Vein, Percutaneous Approach, New Technology Group 1 (2 codes) To 99.21 Injection of antibiotic	The ICD-10-PCS codes are new for FY2016.

New codes:

ICD-10-PCS to ICD-9-CM GEM entry for “Angioplasty using drug-coated balloon”

New 2016 entry	Comment
Example 047K0Z1 Dilation of Right Femoral Artery using Drug-Coated Balloon, Open Approach (36 codes)	The ICD-10-PCS codes are new for FY2016.

New 2016 entry	Comment
Choice List 1 To 39.50 Angioplasty of other non-coronary vessel(s) AND Choice List 2 00.40 Procedure on single vessel	

Public comment:

ICD-9-CM to ICD-10-PCS GEM entry for “Revision of hip replacement (1 of 2)”

2015 entry	Updated 2016 entry	Comment
Example 00.70 Revision of hip replacement, both acetabular and femoral components To Choice List 1 0SP[9B]0JZ Removal of Synthetic Substitute from Right Hip Joint, Open Approach (2 codes) AND Choice List 2 0SR[9B]0[123J][9AZ] Replacement of Right Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach (24 codes)	Example 00.70 Revision of hip replacement, both acetabular and femoral components To Choice List 1 0SP[9B]0JZ Removal of Synthetic Substitute from Right Hip Joint, Open Approach (2 codes) AND Choice List 2 0SR[9B]0[1234J][9AZ] Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach (30 codes)	The updated entry is a more complete translation of the procedure specified in the ICD-9-CM code. The complete meaning of the ICD-9 hip revision procedure codes as specified in PCS clusters includes insertion of the ceramic on polyethylene synthetic hip joint.

Public comment:

ICD-9-CM to ICD-10-PCS GEM entry for “Revision of hip replacement (2 of 2)”

2015 entry	Updated 2016 entry	Comment
Example 00.7[0-3] Revision of hip replacement, both acetabular and femoral components (4 codes) To Choice List 1 0SP[9B]0JZ Removal of Synthetic Substitute from Right Hip Joint, Open Approach (2 codes) AND Choice List 2 0SR[9ABERS]0[01234J][9AZ] Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach (72 codes)	Example 00.7[0-3] Revision of hip replacement, both acetabular and femoral components (4 codes) To Choice List 1 0SP[9B]0[89BJ]Z Removal of Spacer from Right Hip Joint, Open Approach (8 codes) AND Choice List 2 0SR[9ABERS]0[01234J][9AZ] Replacement of Right Hip Joint with Ceramic on Polyethylene Synthetic Substitute, Cemented, Open Approach (72 codes)	The updated entry is a more complete translation of the procedure specified in the ICD-9-CM code. The complete meaning of the ICD-9 hip revision procedure codes as specified in PCS clusters includes removal of spacer, liner and resurfacing devices prior to insertion of the new prosthetic hip joint.

Public comment:

ICD-9-CM to ICD-10-PCS GEM entry for “Revision of knee replacement” (1 of 2)

2015 entry	Updated 2016 entry	Comment
<p>Example 00.8[1-2] Revision of knee replacement, tibial component (2 codes) To Choice List 1 OSP[CD]0JZ Removal of Synthetic Substitute from Right Knee Joint, Open Approach (2 codes) AND Choice List 2 OSR[TUVW]0JZ Replacement of Right Knee Joint, Tibial Surface with Synthetic Substitute, Open Approach (4 codes)</p>	<p>Example 00.8[1-2] Revision of knee replacement, tibial component (2 codes) To Choice List 1 OSP[CD]0JZ Removal of Synthetic Substitute from Right Knee Joint, Open Approach (2 codes) AND Choice List 2 OSR[TUVW]0J[9AZ] Replacement of Right Knee Joint, Tibial Surface with Synthetic Substitute, Cemented, Open Approach (12 codes)</p>	<p>The updated entry is a more complete translation of the procedure specified in the ICD-9-CM code. The complete meaning of the ICD-9 tibial and femoral component revision procedure codes as translated to PCS clusters includes insertion of the qualifiers specifying cemented and uncemented.</p>

Public comment:

ICD-9-CM to ICD-10-PCS GEM entry for “Revision of knee replacement” (2 of 2)

2015 entry	Updated 2016 entry	Comment
<p>Example 00.8[0-2] Revision of knee replacement, total (all components) (3 codes) To Choice List 1 OSP[CD][04]JZ Removal of Synthetic Substitute from Right Knee Joint, Open Approach (4 codes) AND Choice List 2 OSR[CDTUVW]0J[9AZ] Replacement of Right Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach (18 codes)</p>	<p>Example 00.8[0-2] Revision of knee replacement, total (all components) (3 codes) To Choice List 1 OSP[CD][04][89J]Z Removal of Liner from Right Knee Joint, Open Approach (10 codes) AND Choice List 2 OSR[CDTUVW]0J[9AZ] Replacement of Right Hip Joint with Metal Synthetic Substitute, Cemented, Open Approach (18 codes)</p>	<p>The updated entry is a more complete translation of the procedure specified in the ICD-9-CM code. The complete meaning of the ICD-9 knee revision procedure code as translated to PCS clusters includes removal of spacer and liner prior to insertion of the new prosthetic knee joint.</p>

Internal review:

ICD-9-CM to ICD-10-PCS entry for “Insufflation of fallopian tube”

2015 entry	Updated 2016 entry	Comment
<p>66.8 Insufflation of fallopian tube To 3E1P[378]8Z Irrigation of Female Reproductive using Irrigating Substance, Percutaneous Approach (3 codes)</p>	<p>66.8 Insufflation of fallopian tube To 3E0P[378][GS][CF] Introduction of Other Gas into Female Reproductive, Via Natural or Artificial Opening (6 codes)</p>	<p>The updated entry is a more accurate translation of the procedure specified in the ICD-9-CM code. The root operation Introduction is a closer translation match than the root operation Irrigation.</p>

Internal review:

ICD-10-PCS to ICD-9-CM GEM entry for “Treatment of LAA with occlusive device” (1 of 2)

2015 entry	Updated 2016 entry	Comment
<p>02L7[034][CD]K Occlusion of Left Atrial Appendage with Extraluminal Device, Open Approach (6 codes) To 37.36 Excision, destruction, or exclusion of left atrial appendage (LAA)</p>	<p>02L7[034][CD]K Occlusion of Left Atrial Appendage with Extraluminal Device, Open Approach (6 codes) To 37.90 Insertion of left atrial appendage device</p>	<p>The updated entry is a more accurate translation of the procedure specified in the ICD-10-PCS codes. 37.90 is a more accurate translation of the procedure to occlude the left atrial appendage when a device is used. This change has also been made to the ICD-9-CM to ICD-10-PCS GEM.</p>

Internal review:

ICD-9-CM to ICD-10-PCS GEM entry for “Treatment of LAA with occlusive device” (2 of 2)

2015 entry	Updated 2016 entry	Comment
<p>37.90 Insertion of left atrial appendage device To 02L7[034][CD]K Occlusion of Left Atrial Appendage with Extraluminal Device, Open Approach (6 codes) OR 02U7[34]JZ Supplement Left Atrium with Synthetic Substitute, Percutaneous Endoscopic Approach (2 codes)</p>	<p>37.90 Insertion of left atrial appendage device (LAA) To 02L7[034][CD]K Occlusion of Left Atrial Appendage with Extraluminal Device, Open Approach (6 codes)</p>	<p>The updated entry is a more accurate translation of the procedure specified in the ICD-9-CM code. The complete meaning of 37.90 is fully translated with root operation Occlusion and does not need to be translated to the root operation Supplement of left atrium.</p>

Internal review:

ICD-9-CM to ICD-10-PCS GEM entry for “Excision/destruction/exclusion of LAA”

2015 entry	Updated 2016 entry	Comment
<p>37.36 Excision, destruction, or exclusion of left atrial appendage (LAA) To 02[5BL]7[034]ZK Destruction of Left Atrial Appendage, Open Approach (9 codes) OR 02Q7[034]ZZ Repair Left Atrium, Open Approach (3 codes)</p>	<p>37.36 Excision, destruction, or exclusion of left atrial appendage (LAA) To 02[5BL]7[034]ZK Destruction of Left Atrial Appendage, Open Approach (9 codes)</p>	<p>The updated entry is a more accurate translation of the procedure specified in the ICD-9-CM code. The complete meaning of 37.36 is fully translated with root operations Excision, Destruction and Occlusion and does not need to be translated to the “NEC option” Repair of left atrium.</p>

Public comment:**ICD-9-CM to ICD-10-PCS GEM entry for “Abdominal proctopexy”**

2015 entry	Updated 2016 entry	Comment
48.75 Abdominal proctopexy To 0DSP[04]ZZ Reposition Rectum, Open Approach (2 codes)	48.75 Abdominal proctopexy To 0DSP[04]ZZ Reposition Rectum, Open Approach (2 codes) OR 0DUP[04]JZ Supplement Rectum with Synthetic Substitute, Open Approach (2 codes)	The updated entry is a more accurate translation of the procedure specified in the ICD-9-CM code. Per index, code 48.75 includes transabdominal Ripstein repair, which is coded to the root operation Supplement using the device value Synthetic Substitute.

Internal review:**ICD-10-PCS to ICD-9-CM GEM entry for “Irrigation of eye”**

2015 entry	Updated 2016 entry	Comment
3E1C38[XZ] Irrigation of Eye using Irrigating Substance, Percutaneous Approach (2 codes) To 96.52 Irrigation of ear	3E1C38[XZ] Irrigation of Eye using Irrigating Substance, Percutaneous Approach (2 codes) To 10.91 Subconjunctival injection	Typographical error. The ICD-10-PCS code specifies the eye.

Public comment:**ICD-10-PCS to ICD-9-CM GEM entry for “Insertion of monitoring device in SVC”**

2015 entry	Updated 2016 entry	Comment
02HV[034]ZZ Insertion of Monitoring Device into Superior Vena Cava, Percutaneous Approach (3 codes) To 38.7 Interruption of the vena cava	02HV[034]ZZ Insertion of Monitoring Device into Superior Vena Cava, Percutaneous Approach (3 codes) To 89.64 Pulmonary artery wedge monitoring	The updated entry is a closer translation match. The complete meaning of code 89.64 specifies Swan-Ganz catheterization, which under normal circumstances is placed in the superior vena cava. This translation alternative has also been added to the ICD-9-CM to ICD-10-PCS GEM.

Public comment:**ICD-10-PCS to ICD-9-CM GEM entry for “Introduction of other therapeutic substance”**

2015 entry	Updated 2016 entry	Comment
3E013GC Introduction of Other Therapeutic Substance into Subcutaneous Tissue, Percutaneous Approach To/From 99.12 Immunization for allergy OR 99.13 Immunization for autoimmune disease OR 99.27 Iontophoresis OR 99.75 Administration of neuroprotective agent	3E013GC Introduction of Other Therapeutic Substance into Subcutaneous Tissue, Percutaneous Approach To 99.29 Injection or infusion of other therapeutic or prophylactic substance	The updated entry is a more complete accurate translation of the ICD-10-PCS code. The translation alternatives for 3E013GC include four specific ICD-9-CM codes that do not meet inclusion criteria for the ICD-10-PCS to ICD-9-CM GEM. 3E013GC should translate to 99.29 instead, because its level of specificity is the closer translation match of the source code. The specific alternatives will remain in the ICD-9-CM to ICD-10-PCS GEM.

Public comment:

ICD-9-CM to ICD-10-PCS GEM entry for “Injection of Rh immune globulin”

2015 entry	Updated 2016 entry	Comment
<p>99.11 Injection of Rh immune globulin To 302[3-6]3S1 Transfusion of Nonautologous Globulin into Peripheral Vein, Percutaneous Approach (4 codes)</p>	<p>99.11 Injection of Rh immune globulin To 3E0234Z Introduction of Serum, Toxoid and Vaccine into Muscle, Percutaneous Approach</p>	<p>The updated entry is a more accurate translation of the ICD-9-CM code. The ICD-10-PCS code 3E0234Z is a closer translation match than the alternatives in the root operation Transfusion tables. This translation alternative has also been added to the ICD-10-PCS to ICD-9-CM GEM.</p>

Public comment:

ICD-9-CM to ICD-10-PCS GEM entry for “Endoscopic destruction of esophagus tissue”

2015 entry	Updated 2016 entry	Comment
<p>42.33 Endoscopic excision or destruction of lesion or tissue of esophagus To 0D[B5]5[48]ZZ Destruction of Esophagus, Via Natural or Artificial Opening Endoscopic (4 codes)</p>	<p>42.33 Endoscopic excision or destruction of lesion or tissue of esophagus To 0D[B5]5[48]ZZ Destruction of Esophagus, Via Natural or Artificial Opening Endoscopic (4 codes) OR 3E0G8TZ Introduction of Destructive Agent into Upper GI, Via Natural or Artificial Opening Endoscopic</p>	<p>The updated entry is a more complete translation of the ICD-9-CM code. The ICD-10-PCS code from table 3E0 also specifies the procedure included in the source code 42.33. This translation alternative has also been added to the ICD-10-PCS to ICD-9-CM GEM.</p>

Public comment:

ICD-9-CM to ICD-10-PCS GEM entry for “Medical induction of labor”

2015 entry	Updated 2016 entry	Comment
<p>73.4 Medical induction of labor To 3E0DXGC Introduction of Other Therapeutic Substance into Mouth and Pharynx, External Approach OR 3E0[3-6][03]VJ Introduction of Other Hormone into Peripheral Vein, Percutaneous Approach (8 codes)</p>	<p>73.4 Medical induction of labor To 3E0DXGC Introduction of Other Therapeutic Substance into Mouth and Pharynx, External Approach OR 3E0P7GC Introduction of Other Therapeutic Substance into Female Reproductive, Via Natural or Artificial Opening (2 codes) OR 3E0[3-6][03]VJ Introduction of Other Hormone into Peripheral Vein, Percutaneous Approach (8 codes)</p>	<p>The updated entry is a more complete translation of the ICD-9-CM code. 73.4 currently translates to 3E0PXGC for induction of labor via oral route. 3E0P7GC has been added to include the transvaginal route. This translation alternative has also been added to the ICD-10-PCS to ICD-9-CM GEM.</p>

Public comment:

ICD-9-CM to ICD-10-PCS GEM entry for “Cardiac contractility modulation system”

2015 entry	Updated 2016 entry	Comment
<p>Example 17.51 Implantation of rechargeable cardiac contractility modulation [CCM], total system To 0JH[68][03]AZ Insertion of Contractility Modulation Device into Chest Subcutaneous Tissue and Fascia, Open Approach (4 codes) AND 02HL[034]MZ Insertion of Cardiac Lead into Left Ventricle, Percutaneous Approach (3 codes)</p>	<p>Example 17.51 Implantation of rechargeable cardiac contractility modulation [CCM], total system To 0JH[68][03]AZ Insertion of Contractility Modulation Device into Chest Subcutaneous Tissue and Fascia, Open Approach (4 codes) AND 02HK[034]MZ Insertion of Cardiac Lead into Right Ventricle, Percutaneous Approach (3 codes)</p>	<p>Typographical error. The body part value for the insertion of cardiac lead ICD-10-PCS codes should specify the right side of the heart.</p>

Public comment:

ICD-10-PCS to ICD-9-CM GEM entry for “Open insertion of feeding gastrostomy tube”

2015 entry	Updated 2016 entry	Comment
<p>0DH60UZ Insertion of Feeding Device into Stomach, Open Approach To 43.0 Gastrostomy</p>	<p>0DH60UZ Insertion of Feeding Device into Stomach, Open Approach To 43.19 Other gastrostomy</p>	<p>The updated entry is a more accurate translation of the ICD-10-PCS code. This translation alternative has also been added to the ICD-9-CM to ICD-10-PCS GEM.</p>