

# ICD-10 GEMs FY2015 Version Update

## *Update Summary*

The updated FY2015 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 FY2015 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. Updated 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**

#### **Internal review:**

#### **ICD-10-CM to ICD-9-CM GEM entry for “retinoschisis”**

<b>2014 entry</b>	<b>Updated 2015 entry</b>	<b>Comment</b>
<b>Example</b> <b>H33.19[1-3]</b> Other retinoschisis and retinal cysts (3 codes)  To <b>361.10</b> Retinoschisis, unspecified <b>OR</b> <b>361.11</b> Flat retinoschisis <b>OR</b> <b>361.12</b> Bullous retinoschisis <b>OR</b> <b>361.13</b> Primary retinal cysts <b>OR</b> <b>361.14</b> Secondary retinal cysts <b>OR</b> <b>361.19</b> Other retinoschisis and retinal cysts	<b>Example</b> <b>H33.19[1-3]</b> Other retinoschisis and retinal cysts (3 codes)  <b>361.19</b> Other retinoschisis and retinal cysts	The translation from H33.19[1-3] to several more specific ICD-9-CM codes does not meet inclusion criteria, and has been removed from the 10 to 9 GEM. The inclusion of the specific ICD-9-CM codes is not justified by any ICD-10-CM index entries or tabular instruction. In addition, the translation from H33.19[1-3] to 361.10 does not meet inclusion criteria, and has been removed from both the 10 to 9 and the 9 to 10 GEMs. ICD-10-CM classifies the unspecified codes in this subcategory to H33.10[1-9], and there is already an entry in the GEMs that translates from H33.10[1-9] to 361.10.

#### **Internal review:**

#### **ICD-10-CM to ICD-9-CM GEM entry for “Toxic effect of lead, cause undetermined”**

2014 entry	Updated 2015 entry	Comment
<b>T56.0X4A</b> Toxic effect of lead and its compounds, undetermined, initial encounter  To <b>Choice List 1</b> To <b>984.9</b> Toxic effect of unspecified lead compound <b>AND</b> <b>Choice List 2</b> To <b>980.9</b> Toxic effect of unspecified alcohol	<b>T56.0X4A</b> Toxic effect of lead and its compounds, undetermined, initial encounter  To <b>Choice List 1</b> To <b>984.9</b> Toxic effect of unspecified lead compound <b>AND</b> <b>Choice List 2</b> To <b>E980.9</b> Poisoning by other and unspecified solid and liquid substances, undetermined whether accidentally or purposely inflicted	Typographical error. The E was missing from the external cause ICD-9-CM code in choice list 2.

**Internal review:**

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

2014 entry	Updated 2015 entry	Comment
<b>M50.1</b> Cervical disc disorder with radiculopathy (4 codes)  To <b>723.4</b> Brachial neuritis or radiculitis NOS	<b>M50.1</b> Cervical disc disorder with radiculopathy (4 codes)  To <b>722.91</b> Other and unspecified disc disorder, cervical region	The updated entry is a closer match. The ICD-9-CM tabular instruction for 723.4 excludes radiculitis due to intervertebral disc disorder.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entry for “Lennox-Gastaut syndrome”**

2014 entry	Updated 2015 entry	Comment
<b>G40.811</b> Lennox-Gastaut syndrome, not intractable, with status epilepticus  To <b>345.81</b> Other forms of epilepsy and recurrent seizures, with intractable epilepsy	<b>G40.811</b> Lennox-Gastaut syndrome, not intractable, with status epilepticus  To <b>345.80</b> Other forms of epilepsy and recurrent seizures, without mention of intractable epilepsy	Typographical error. The ICD-10-CM code specifies the epilepsy is not intractable.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entries for “poisoning by other sedative/hypnotic”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>T42.6X[1234]A</b> Poisoning by other antiepileptic and sedative-hypnotic drugs, initial encounter (4 codes)  To <b>Choice List 1</b> <b>967.8</b> Poisoning by other sedatives and hypnotics <b>AND</b>	<b>Example</b> <b>T42.6X[1234]A</b> Poisoning by other antiepileptic and sedative-hypnotic drugs, initial encounter (4 codes)  To <b>Choice List 1</b> <b>967.[1-6]</b> Poisoning by chloral hydrate group (6 codes) <b>OR</b>	The updated entry is a more complete set of translation alternatives. The ICD-10-CM index also classifies the following drug classes to subcategory T42.6X: chloral hydrate, paraldehyde, bromine, methaqualone, glutethimide, mixed sedatives.

2014 entry	Updated 2015 entry	Comment
<b>Choice List 2</b> <b>E852.8</b> Accidental poisoning by other specified sedatives and hypnotics	<b>967.8</b> Poisoning by other sedatives and hypnotics <b>AND</b> <b>Choice List 2</b> <b>E852.8</b> Accidental poisoning by other specified sedatives and hypnotics	

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entries for “poisoning by inhaled anesthetic”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>T41.0X[1234]A</b> Poisoning by inhaled anesthetics, initial encounter (4 codes)  To <b>Choice List 1</b> <b>968.2</b> Poisoning by other gaseous anesthetics <b>AND</b> <b>Choice List 2</b> <b>E855.1</b> Accidental poisoning by other central nervous system depressants	<b>Example</b> <b>T41.0X[1234]A</b> Poisoning by inhaled anesthetics, initial encounter (4 codes)  To <b>Choice List 1</b> <b>968.1</b> Poisoning by halothane <b>OR</b> <b>968.2</b> Poisoning by other gaseous anesthetics <b>AND</b> <b>Choice List 2</b> <b>E855.1</b> Accidental poisoning by other central nervous system depressants	The updated entry is a more complete set of translation alternatives. The ICD-10-CM index also classifies halothane to subcategory T41.0X. <i>Index entries referring to T41.0X1A [excerpt]</i> <b>Anesthesia</b> > endotracheal > Poisoning, Accidental (unintentional)... ... <b>Gas</b> > anesthetic > Poisoning, Accidental (unintentional) <b>Halothane</b> > Poisoning, Accidental (unintentional)

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entries for “toxic effect of aromatic hydrocarbons”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>T53.9[1234]XA</b> Toxic effect of unspecified halogen derivatives of aliphatic and aromatic hydrocarbons, initial encounter (4 codes)  To <b>Choice List 1</b> <b>982.3</b> Toxic effect of other chlorinated hydrocarbon solvents <b>AND</b> <b>Choice List 2</b> <b>E869.8</b> Accidental poisoning by other specified gases and vapors	<b>Example</b> <b>T53.9[1234]XA</b> Toxic effect of unspecified halogen derivatives of aliphatic and aromatic hydrocarbons, initial encounter (4 codes)  To <b>Choice List 1</b> <b>982.3</b> Toxic effect of other chlorinated hydrocarbon solvents <b>OR</b> <b>989.2</b> Toxic effect of chlorinated hydrocarbons <b>AND</b> <b>Choice List 2</b> <b>E869.8</b> Accidental poisoning by other specified gases and vapors	The updated entry is a more complete set of translation alternatives. The ICD-10-CM index classifies chlorinated hydrocarbons to subcategory T53.9.

**Public comment:**

**ICD-9-CM to ICD-10-CM GEM entries for “skull fracture with moderate LOC”**

2014 entry	Updated 2015 entry	Comment
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2014 entry	Updated 2015 entry	Comment
<p><b>Example</b>  <b>80[013].[49]3</b> Closed fracture of vault of skull with intracranial injury of other and unspecified nature, with moderate [1-24 hours] loss of consciousness (6 codes)</p> <p><b>Choice List 1</b>  To <b>S02.0XXA</b> Fracture of vault of skull, initial encounter for closed fracture  <b>AND</b>  <b>Choice List 2</b>  To <b>S06.893A</b> Other specified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter  <b>OR</b>  <b>S06.894A</b> Other specified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter  <b>OR</b>  <b>S06.9X4A</b> Unspecified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter</p>	<p><b>Example</b>  <b>80[013].[49]3</b> Closed fracture of vault of skull with intracranial injury of other and unspecified nature, with moderate [1-24 hours] loss of consciousness (6 codes)</p> <p><b>Choice List 1</b>  To <b>S02.0XXA</b> Fracture of vault of skull, initial encounter for closed fracture  <b>AND</b>  <b>Choice List 2</b>  To <b>S06.893A</b> Other specified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter  <b>OR</b>  <b>S06.894A</b> Other specified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter  <b>OR</b>  <b>S06.9X3A</b> Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter  <b>OR</b>  <b>S06.9X4A</b> Unspecified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter</p>	<p>The updated entry is a more complete set of translation alternatives for the condition specified in the ICD-9-CM codes. 800.43, 800.93, 801.43, 801.93, 803.43 and 803.93 are all missing the ICD-10-CM code S06.9X3A in choice list 2 of the cluster.</p>

**Public comment:**

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

2014 entry	Updated 2015 entry	Comment
<p><b>Example</b>  <b>80[013].49</b> Closed fracture of vault of skull with intracranial injury of other and unspecified nature, with concussion, unspecified (3 codes)</p> <p><b>Choice List 1</b>  To <b>S02.0XXA</b> Fracture of vault of skull, initial encounter for closed fracture  <b>AND</b>  <b>Choice List 2</b>  To <b>S06.890A</b> Other specified intracranial injury without loss of</p>	<p><b>Example</b>  <b>80[013].49</b> Closed fracture of vault of skull with intracranial injury of other and unspecified nature, with concussion, unspecified (3 codes)</p> <p><b>Choice List 1</b>  To <b>S02.0XXA</b> Fracture of vault of skull, initial encounter for closed fracture  <b>AND</b>  <b>Choice List 2</b>  To <b>S06.890A</b> Other specified intracranial injury without loss of</p>	<p>Typographical error. 800.49, 801.49 and 803.49 are translated to S06.9X9A in choice list 2 of the cluster. This has been changed to S06.9X0A.</p>

2014 entry	Updated 2015 entry	Comment
consciousness, initial encounter <b>OR</b> <b>S06.9X9A</b> Unspecified intracranial injury with loss of consciousness of unspecified duration, initial encounter	consciousness, initial encounter <b>OR</b> <b>S06.9X0A</b> Unspecified intracranial injury without loss of consciousness, initial encounter	

**Public comment:**

**ICD-10-CM to ICD-9-CM GEM entry for “pseudarthrosis after joint replacement”**

2014 entry	Updated 2015 entry	Comment
<b>M96.0</b> Pseudarthrosis after fusion or arthrodesis  To <b>V45.4</b> Arthrodesis status	<b>M96.0</b> Pseudarthrosis after fusion or arthrodesis  To <b>996.49</b> Other mechanical complication of other internal orthopedic device, implant, and graft <b>OR</b> <b>V45.4</b> Arthrodesis status	The updated entry is a more complete set of translation alternatives for the condition specified in the ICD-10-CM code. The ICD-10-CM index for M96.0 classifies pseudarthrosis as a complication of joint replacement, in addition to classifying it to joint replacement status. Coding Clinic advice states that pseudarthrosis should be coded 996.49 when revision or refusion is required. The entry has also been added to the ICD-9-CM to ICD-10-CM GEM.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entry for “other influenza with pneumonia”**

2014 entry	Updated 2015 entry	Comment
<b>J10.01</b> Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia To <b>487.1</b> Influenza with other respiratory manifestations	<b>J10.01</b> Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia To <b>487.0</b> Influenza with pneumonia	Typographical error. The ICD-10-CM code specifies influenza with pneumonia.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entry for “intracardiac thrombosis NEC”**

2014 entry	Updated 2015 entry	Comment
<b>I51.3</b> Intracardiac thrombosis, not elsewhere classified  To <b>429.79</b> Certain sequelae of myocardial infarction, not elsewhere classified, other	<b>I51.3</b> Intracardiac thrombosis, not elsewhere classified  To <b>429.89</b> Other ill-defined heart diseases	The ICD-9 translation does not meet inclusion criteria. I51.3 tabular instruction excludes intracardiac thrombosis as a current complication following acute MI. In the ICD-9-CM index, other intracardiac thrombosis refers to 429.89. The entry has also been added to the ICD-10-CM to ICD-9-CM GEM.

**Internal review:****ICD-10-CM to ICD-9-CM GEM entry for “Arnold-Chiari syndrome with spina bifida”**

2014 entry	Updated 2015 entry	Comment
<b>Q07.01</b> Arnold-Chiari syndrome with spina bifida  To <b>741.00</b> Spina bifida with hydrocephalus, unspecified region	<b>Q07.01</b> Arnold-Chiari syndrome with spina bifida  To <b>741.90</b> Spina bifida without mention of hydrocephalus, unspecified region	Typographical error. The ICD-10-CM code does not specify hydrocephalus.

**Internal review:****ICD-10-CM to ICD-9-CM GEM entries for “mechanical complication of other cardiac electronic device”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>T82.1[129]8A</b> Breakdown (mechanical) of other cardiac electronic device, initial encounter (3 codes)  To <b>996.01</b> Mechanical complication due to cardiac pacemaker (electrode) <b>OR</b> <b>996.04</b> Mechanical complication of automatic implantable cardiac defibrillator	<b>Example</b> <b>T82.1[129]8A</b> Breakdown (mechanical) of other cardiac electronic device, initial encounter (3 codes)  To <b>996.09</b> Other mechanical complication of cardiac device, implant, and graft	The ICD-9-CM translation alternatives do not meet inclusion criteria. The ICD-10-CM code titles do not specify pacemaker and defibrillator, only other cardiac electronic device.

**Internal review:****ICD-10-CM to ICD-9-CM GEM entries for “mechanical complication of unspecified cardiac electronic device”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>T82.1[129]9A</b> Breakdown (mechanical) of unspecified cardiac electronic device, initial encounter (3 codes)  To <b>996.01</b> Mechanical complication due to cardiac pacemaker (electrode) <b>OR</b> <b>996.04</b> Mechanical complication of automatic implantable cardiac defibrillator	<b>Example</b> <b>T82.1[129]9A</b> Breakdown (mechanical) of unspecified cardiac electronic device, initial encounter (3 codes)  To <b>996.00</b> Mechanical complication of unspecified cardiac device, implant, and graft	The ICD-9-CM translation alternatives do not meet inclusion criteria. The ICD-10-CM code titles do not specify pacemaker and defibrillator, only unspecified cardiac electronic device.

**Internal review:****ICD-10-CM to ICD-9-CM GEM entries for “complication of heart-lung transplant”**

2014 entry	Updated 2015 entry	Comment
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2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>T86.3[0-9]</b> Heart-lung transplant rejection  To <b>996.83</b> Complications of transplanted heart	<b>Example</b> <b>T86.3[0-9]</b> Heart-lung transplant rejection  <b>Choice List 1</b> To <b>996.83</b> Complications of transplanted heart <b>AND</b> <b>Choice List 2</b> <b>996.84</b> Complications of transplanted lung	The updated entry is a more complete translation of the condition specified in the ICD-10-CM codes. Subcategory T86.3 contains combination codes, and requires an ICD-9-CM translation cluster specifying complication of both heart and lung transplant.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entry for “chronic instability of knee”**

2014 entry	Updated 2015 entry	Comment
<b>M23.5[0-2]</b> Chronic instability of knee  To <b>717.85</b> Old disruption of other ligaments of knee	<b>M23.5[0-2]</b> Chronic instability of knee  To <b>717.85</b> Old disruption of other ligaments of knee <b>OR</b> <b>718.86</b> Other joint derangement, not elsewhere classified, lower leg	The updated entry is a more complete translation of the condition specified in the ICD-10-CM codes. According to the ICD-9-CM index, 718.86 also includes instability of joint.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entries for “staphylococcal arthritis”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>M00.0[0-9]</b> Staphylococcal arthritis, right shoulder  To <b>711.01</b> Pyogenic arthritis, shoulder region	<b>Example</b> <b>M00.0[0-9]</b> Staphylococcal arthritis, right shoulder  <b>Choice List 1</b> To <b>711.01</b> Pyogenic arthritis, shoulder region <b>AND</b> <b>Choice List 2</b> <b>041.10</b> Staphylococcus infection in conditions classified elsewhere and of unspecified site, staphylococcus, unspecified	The updated entry is a more complete translation of the condition specified in the ICD-10-CM codes. Subcategory M00.0 contains combination codes, and requires an ICD-9-CM translation cluster specifying both the arthritis and the causative organism.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entries for “streptococcal arthritis”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>M00.2[0-9]</b> Other streptococcal arthritis, right shoulder  To <b>711.01</b> Pyogenic arthritis, shoulder region	<b>Example</b> <b>M00.2[0-9]</b> Other streptococcal arthritis, right shoulder  <b>Choice List 1</b> To <b>711.01</b> Pyogenic arthritis,	The updated entry is a more complete translation of the condition specified in the ICD-10-CM codes. Subcategory M00.2 contains combination codes, and requires an ICD-9-CM translation

2014 entry	Updated 2015 entry	Comment
	shoulder region <b>AND</b> <b>Choice List 2</b> <b>041.09</b> Streptococcus infection in conditions classified elsewhere and of unspecified site, other streptococcus	cluster specifying both the arthritis and the causative organism.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entries for “other bacterial arthritis”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>M00.8[0-9]</b> Arthritis due to other bacteria, right shoulder  To <b>711.01</b> Pyogenic arthritis, shoulder region	<b>Example</b> <b>M00.8[0-9]</b> Arthritis due to other bacteria, right shoulder  <b>Choice List 1</b> To <b>711.01</b> Pyogenic arthritis, shoulder region <b>AND</b> <b>Choice List 2</b> <b>041.89</b> Other specified bacterial infections in conditions classified elsewhere and of unspecified site, other specified bacteria	The updated entry is a more complete translation of the condition specified in the ICD-10-CM codes. Subcategory M00.8 contains combination codes, and requires an ICD-9-CM translation cluster specifying both the arthritis and the causative organism.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entry for “aminoglycoside poisoning, undetermined intent”**

2014 entry	Updated 2015 entry	Comment
<b>T36.5X4A</b> Poisoning by aminoglycosides, undetermined, initial encounter <b>Choice List 1</b> To <b>960.8</b> Poisoning by other specified antibiotics <b>AND</b> <b>Choice List 2</b> <b>E950.4</b> Suicide and self-inflicted poisoning by other specified drugs and medicinal substances	<b>T36.5X4A</b> Poisoning by aminoglycosides, undetermined, initial encounter <b>Choice List 1</b> To <b>960.8</b> Poisoning by other specified antibiotics <b>AND</b> <b>Choice List 2</b> <b>E980.4</b> Poisoning by other specified drugs and medicinal substances, undetermined whether accidentally or purposely inflicted	Typographical error. The ICD-10-CM code title states the intent is undetermined.

**Internal review:**

**ICD-10-CM to ICD-9-CM GEM entries for “hypersomnia, not physiological”**

2014 entry	Updated 2015 entry	Comment
<b>F51.19</b> Hypersomnia not due to a substance or known physiological condition  To <b>327.19</b> Other organic hypersomnia	<b>F51.19</b> Hypersomnia not due to a substance or known physiological condition  To <b>307.43</b> Transient disorder of initiating or maintaining wakefulness <b>OR</b>	The updated entry is a closer translation match. 327.19 specifies an organic cause and the ICD-10-CM code title specifies the cause is not physiological. ICD-10-CM does not differentiate between transient and persistent sleep



2014 entry	Updated 2015 entry	Comment
	<b>307.44</b> Persistent disorder of initiating or maintaining wakefulness	disorders in classifying hypersomnia, and so both translation alternatives are included in the entry as per GEMs inclusion criteria.

#### Internal review:

#### ICD-9-CM to ICD-10-CM GEM entries for “type 2 diabetes with ketoacidosis”

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>250.1[02]</b> Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled (2 codes)  To <b>E11.69</b> Type 2 diabetes mellitus with other specified complication	<b>Example</b> <b>250.1[02]</b> Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled (2 codes)  To <b>E11.69</b> Type 2 diabetes mellitus with other specified complication <b>OR</b> <b>E13.10</b> Other specified diabetes mellitus with ketoacidosis without coma	This translation alternative has been added consistent with advice published in 4Q 2013 Coding Clinic stating that type 2 diabetes with ketoacidosis should be coded to E13.10 to preserve the fact of ketoacidosis in the coded data. The entry has also been added to the ICD-10-CM to ICD-9-CM GEM.

#### PROCEDURE GEMs

#### Public comment:

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

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>0DH6[78]UZ</b> Insertion of Feeding Device into Stomach, Via Natural or Artificial Opening (2 codes)  To <b>43.0</b> Gastrotomy	<b>Example</b> <b>0DH6[78]UZ</b> Insertion of Feeding Device into Stomach, Via Natural or Artificial Opening (2 codes)  To <b>96.6</b> Enteral infusion of concentrated nutritional substances	The updated entry is a closer translation match for transorifice insertion of feeding device into stomach (i.e., nasogastric feeding tube).

#### Internal review:

#### ICD-10-PCS to ICD-9-CM GEM entries for “extracranial to extracranial artery bypass”

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>031[HKM]0[9AJKZ]J</b> <b>031[JLN]0[9AJKZ]K</b> Bypass Right Common Carotid Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach (30 codes)  To <b>39.28</b> Extracranial-intracranial	<b>Example</b> <b>031[HKM]0[9AJKZ]J</b> <b>031[JLN]0[9AJKZ]K</b> Bypass Right Common Carotid Artery to Right Extracranial Artery with Autologous Venous Tissue, Open Approach (30 codes)  To <b>39.29</b> Other (peripheral)	The ICD-9-CM translation alternatives do not meet inclusion criteria. The ICD-10-PCS code titles are for extracranial-extracranial bypass procedures and 39.28 specifies extracranial-intracranial bypass.

2014 entry	Updated 2015 entry	Comment
(EC-IC) vascular bypass	vascular shunt or bypass	

**Internal review:**

**ICD-9-CM to ICD-10-PCS GEM entries for “extracranial to intracranial artery bypass”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>39.28</b> Extracranial-intracranial (EC-IC) vascular bypass  To <b>031[ST]0[9AJKZ]G</b> Bypass Right Temporal Artery to Intracranial Artery with Autologous Venous Tissue, Open Approach (10 codes)	<b>Example</b> <b>39.28</b> Extracranial-intracranial (EC-IC) vascular bypass  To <b>031[ST]0[9AJKZ]G</b> Bypass Right Temporal Artery to Intracranial Artery with Autologous Venous Tissue, Open Approach (10 codes) <b>OR</b> <b>031[HJ]0[9AJKZ]G</b> Bypass Right Common Carotid Artery to Intracranial Artery with Autologous Venous Tissue, Open Approach (10 codes)	The updated entry is a more complete translation of the procedure specified in the ICD-9-CM code, and includes the common carotid artery body part values with the intracranial artery qualifier.

**Public comment:**

**ICD-9-CM to ICD-10-PCS GEM entry for “percutaneous external heart assist insertion”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>37.68</b> Insertion of percutaneous external heart assist device  To <b>02HL3DZ</b> Insertion of Intraluminal Device into Left Ventricle, Percutaneous Approach <b>OR</b> <b>Choice List 1</b> To <b>02HL3DZ</b> Insertion of Intraluminal Device into Left Ventricle, Percutaneous Approach <b>AND</b> <b>Choice List 2</b> To <b>5A02[1,2]16</b> Assistance with Cardiac Output using Other Pump (2 codes)	<b>Example</b> <b>37.68</b> Insertion of percutaneous external heart assist device  To <b>5A02[1,2]1[6,D]</b> Assistance with Cardiac Output using Impeller/Other Pump (4 codes) <b>OR</b> <b>Choice List 1</b> To <b>02HA3RZ</b> Insertion of External Heart Assist System into Heart, Percutaneous Approach <b>AND</b> <b>Choice List 2</b> To <b>5A02116</b> Assistance with Cardiac Output using Other Pump, Continuous	The updated entry was developed in response to public comment.

**Public comment:**

**ICD-9-CM to ICD-10-PCS GEM entry for “biventricular heart assist system insertion”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>37.60</b> Implantation or insertion	<b>Example</b> <b>37.60</b> Implantation or insertion	The updated entry is a more complete translation of the procedure

<b>2014 entry</b>	<b>Updated 2015 entry</b>	<b>Comment</b>
of biventricular external heart assist system  To <b>02HA[0,3,4]RS</b> Insertion of Biventricular External Heart Assist System into Heart (3 codes)	of biventricular external heart assist system  <b>Choice List 1</b> To <b>02HA[0,3,4]RS</b> Insertion of Biventricular External Heart Assist System into Heart (3 codes) <b>AND</b> <b>Choice List 2</b> To <b>5A02[1,2]16</b> Assistance with Cardiac Output using Other Pump (2 codes)	specified in the ICD-9-CM code. For ICD-9-codes where the heart assist system is non-implantable, the insertion procedure is coded in ICD-10-PCS with the root operation Insertion plus an ancillary code from section 5 to specify the extracorporeal assistance from the external portion of the device.

**Public comment:**

**ICD-9-CM to ICD-10-PCS GEM entry for “single ventricular heart assist system insertion”**

<b>2014 entry</b>	<b>Updated 2015 entry</b>	<b>Comment</b>
<b>Example</b> <b>37.65</b> Implant of single ventricular (extracorporeal) external heart assist system  To <b>02HA0RZ</b> Insertion of External Heart Assist System into Heart, Open Approach	<b>Example</b> <b>37.65</b> Implant of single ventricular (extracorporeal) external heart assist system  <b>Choice List 1</b> To <b>02HA[04]RZ</b> Insertion of External Heart Assist System into Heart, Open Approach (2 codes) <b>AND</b> <b>Choice List 2</b> To <b>5A02[1,2]16</b> Assistance with Cardiac Output using Other Pump (2 codes)	The updated entry is a more complete translation of the procedure specified in the ICD-9-CM code. For ICD-9-codes where the heart assist system is non-implantable, the insertion procedure is coded in ICD-10-PCS with the root operation Insertion plus an ancillary code from section 5 to specify the extracorporeal assistance from the external portion of the device.

**Internal review:**

**ICD-10-PCS to ICD-9-CM GEM entry for “single ventricular heart assist system insertion”**

<b>2014 entry</b>	<b>Updated 2015 entry</b>	<b>Comment</b>
<b>02HA3RZ</b> Insertion of External Heart Assist System into Heart, Percutaneous Approach  To <b>37.65</b> Implant of single ventricular (extracorporeal) external heart assist system	<b>02HA3RZ</b> Insertion of External Heart Assist System into Heart, Percutaneous Approach  To <b>37.68</b> Insertion of percutaneous external heart assist device	The ICD-10-PCS code specifying percutaneous approach for insertion of external heart assist system is classified to code 37.68 in the updated entry above.

**Public comment:**

**ICD-10-PCS to ICD-9-CM GEM entries for “right heart infusion device insertion”**

<b>2014 entry</b>	<b>Updated 2015 entry</b>	<b>Comment</b>
<b>Example</b> <b>02H[6K]33Z</b> Insertion of Infusion Device into Right	<b>Example</b> <b>02H[6K]33Z</b> Insertion of Infusion Device into Right	The updated entry is a closer translation match. The translation alternatives have

2014 entry	Updated 2015 entry	Comment
Atrium/Ventricle, Percutaneous Approach (2 codes)  To <b>37.11</b> Cardiotomy	Atrium/Ventricle, Percutaneous Approach (2 codes)  To <b>38.93</b> Venous catheterization, not elsewhere classified	also been added to the ICD-9-CM to ICD-9-PCS GEM.

**Public comment:**

**ICD-9-CM to ICD-10-PCS GEM entry for “spinal decompression and exploration”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>03.09</b> Other exploration and decompression of spinal canal  To <b>00N[WXYZ][034]ZZ</b> Release Spinal Cord, Open Approach (9 codes) <b>OR</b> <b>0SB[035-8][034]ZZ</b> Excision of Lower Vertebral Joint (18 codes) <b>OR</b> 43 other ICD-10-PCS codes	<b>Example</b> <b>03.09</b> Other exploration and decompression of spinal canal  To <b>00N[WXYZ][034]ZZ</b> Release Spinal Cord, Open Approach (9 codes) <b>OR</b> <b>0SB[035-8][034]ZZ</b> Excision of Lower Vertebral Joint (18 codes) <b>OR</b> <b>0P[BN][3-4][034]ZZ</b> Excision/Release of Upper Vertebra (12 codes) <b>OR</b> <b>0Q[BN][0-1][034]ZZ</b> Excision/Release of Lower Vertebra (12 codes) <b>OR</b> 43 other ICD-10-PCS codes	The updated entry is a more complete translation of the procedure specified in the ICD-9-CM code. The PCS root operations Excision and Release of the vertebra in spinal decompression procedures is consistent with GEMs inclusion criteria. ICD-9-CM index entries for laminectomy and hemilaminectomy refer to code 03.09.

**Public comment:**

**ICD-10-PCS to ICD-9-CM GEM entry for “external reposition of stomach”**

2014 entry	Updated 2015 entry	Comment
<b>0DS6XZZ</b> Reposition Stomach, External Approach  To <b>44.64</b> Gastropexy	<b>0DS6XZZ</b> Reposition Stomach, External Approach  To <b>96.27</b> Manual reduction of hernia	The updated entry is a closer translation match. Similar codes containing the intestine body part values also translate to 96.27. This translation alternative has also been added to the ICD-9-CM to ICD-10-PCS GEM.

**Public comment:**

**ICD-9-CM to ICD-10-PCS GEM entry for “replacement of biliary/pancreatic duct stent”**

2014 entry	Updated 2015 entry	Comment
<b>Example</b> <b>97.05</b> Replacement of stent (tube) in biliary or pancreatic duct	<b>Example</b> <b>97.05</b> Replacement of stent (tube) in biliary or pancreatic duct	The updated entry is a more complete translation of the procedure specified in the ICD-9-CM code. Translation alternatives for insertion of Intraluminal device have been

2014 entry	Updated 2015 entry	Comment
<p><b>Choice List 1</b> To <b>0F7[5689D][78]DZ</b> Dilation of Hepatic Duct with Intraluminal Device, Via Natural or Artificial Opening (10 codes)</p> <p><b>AND</b></p> <p><b>Choice List 2</b> To <b>0FP[BD][78X]DZ</b> Removal of Intraluminal Device from Hepatobiliary Duct, Via Natural or Artificial Opening (6 codes)</p>	<p><b>Choice List 1</b> To <b>0F7[5689D][78]DZ</b> Dilation of Hepatic Duct with Intraluminal Device, Via Natural or Artificial Opening (10 codes)</p> <p><b>OR</b></p> <p><b>0FH[BD][78]DZ</b> Insertion of Intraluminal Device into Hepatobiliary Duct, Via Natural or Artificial Opening (4 codes)</p> <p><b>AND</b></p> <p><b>Choice List 2</b> To <b>0FP[BD][78X]DZ</b> Removal of Intraluminal Device from Hepatobiliary Duct, Via Natural or Artificial Opening (6 codes)</p>	<p>added to choice list 1.</p>