

Surgical procedures (shortlist): Mapping with ICD-9-CM¹

Version 2007-07-22 (including minor updates in November 2013)

Table 1. Common surgical procedures

Label	Code	Text
Cataract surgery		
Includes secondary implantation of lens and removal of lens.		
ICD-9-CM (1996): 13.1--13.8		
	13.1	Intracapsular extraction of lens
	13.2	Extracapsular extraction of lens by linear extraction technique
	13.3	Extracapsular extraction of lens by simple aspiration (and irrigation) technique
	13.4	Extracapsular extraction of lens by fragmentation and aspiration technique
	13.5	Other extracapsular extraction of lens
	13.6	Other cataract extraction
	13.7	Insertion of prosthetic lens [pseudophakos]
	13.8	Removal of implanted lens
Tonsillectomy		
Includes total and partial tonsillectomy with or without adenoidectomy. Excludes adenoidectomy without tonsillectomy.		
ICD-9-CM (1996): 28.2--28.4		
	28.2	Tonsillectomy without adenoidectomy
	28.3	Tonsillectomy with adenoidectomy
	28.4	Excision of tonsil tag
Transluminal coronary angioplasty		
Includes percutaneous transluminal interventions (PTCA, PCI) with or without insertion of stent.		
ICD-9-CM (1996): 36.01, 36.02, 36.05		
	36.01	Single vessel percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy without mention of thrombolytic agent
	36.02	Single vessel percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy with mention of thrombolytic agent
	36.05	Multiple vessel percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy performed during the same operation, with or without mention of thrombolytic agent
<i>Note: The above codes have been changed in later versions of ICD-9-CM:</i>		
ICD-9-CM (2006): 00.66		
	00.66	Percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy
Coronary artery bypass graft		
ICD-9-CM (1996): 36.1		
	36.1	Bypass anastomosis for heart revascularization
Stem cell transplantation		
Applies to recipient only. Includes bone marrow transplantation.		
ICD-9-CM (1996): 41.0		
	41.0	Bone marrow or hematopoietic stem cell transplant
Appendectomy		
Includes appendectomy and incidental appendectomy. Includes laparoscopic and other appendectomy.		
ICD-9-CM (1996): 47.0, 47.1		
	47.0	Appendectomy
	47.1	Incidental appendectomy
<i>Of which:</i>		
Laparoscopic appendectomy		
Excludes conversion from laparoscopic to open surgery.		
ICD-9-CM (1996): 47.01, 47.11		
	47.01	Laparoscopic appendectomy
	47.11	Laparoscopic incidental appendectomy

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Label	Code	Text
Cholecystectomy		
Includes cholecystectomy and laparoscopic cholecystectomy.		
ICD-9-CM (1996): 51.22, 51.23		
	51.22	Cholecystectomy
	51.23	Laparoscopic cholecystectomy
<i>Of which :</i>		
Laparoscopic cholecystectomy		
Excludes conversion from laparoscopic to open surgery.		
ICD-9-CM (1996): 51.23		
	51.23	Laparoscopic cholecystectomy
Repair of inguinal hernia		
Includes repair of inguinal hernia and laparoscopic repair of inguinal hernia.		
ICD-9-CM (1996): 53.0, 53.1		
	53.0	Unilateral repair of inguinal hernia
	53.1	Bilateral repair of inguinal hernia
<i>Of which :</i>		
Laparoscopic repair of inguinal hernia		
Excludes conversion from laparoscopic to open surgery.		
ICD-9-CM (1996, 2006): Not possible		
<i>Note: No specific codes in ICD-9-CM (1996, 2006) for laparoscopic repair of inguinal hernia, but specified in later versions:</i>		
ICD-9-CM (2013): 17.1, 17.2		
	17.1	Laparoscopic unilateral repair of inguinal hernia
	17.2	Laparoscopic bilateral repair of inguinal hernia
Open prostatectomy		
Includes radical and transvesical prostatectomy and excision of adenoma. Excludes transurethral procedures.		
ICD-9-CM (1996): 60.3--60.6		
	60.3	Suprapubic prostatectomy
	60.4	Retropubic prostatectomy
	60.5	Radical prostatectomy
	60.6	Other prostatectomy
Transurethral prostatectomy		
Includes transurethral laser resection, electroevaporization and microwave therapy.		
ICD-9-CM (1996): 60.2		
	60.2	Transurethral prostatectomy
Hysterectomy		
Includes partial and total hysterectomy (with or without excision of adnexa) by laparotomy or vaginal or laparoscopic methods.		
Excludes evisceration (exentration) of pelvis and caesarean hysterectomy.		
ICD-9-CM (1996): 68.3--68.7; 68.9		
	68.3	Subtotal abdominal hysterectomy
	68.4	Total abdominal hysterectomy
	68.5	Vaginal hysterectomy
	68.6	Radical abdominal hysterectomy
	68.7	Radical vaginal hysterectomy
	68.9	Other and unspecified hysterectomy
<i>Of which :</i>		
Laparoscopic hysterectomy		
Includes combination of laparoscopic and open techniques (laparoscopic assisted).		
Excludes conversion from laparoscopic to open surgery.		
ICD-9-CM (1996): Not possible		
<i>Note: No specific codes in ICD-9-CM (1996) for laparoscopic hysterectomy, but specified in later versions:</i>		
ICD-9-CM (2006): 68.31, 68.41, 68.51, 68.61, 68.71		
	68.31	Laparoscopic supracervical hysterectomy [LSH]
	68.41	Laparoscopic total abdominal hysterectomy
	68.51	Laparoscopically assisted vaginal hysterectomy (LAVH)
	68.61	Laparoscopic radical abdominal hysterectomy
	68.71	Laparoscopic radical vaginal hysterectomy [LRVH]

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Label	Code	Text
Caesarean section		
ICD-9-CM (1996): 74.0--74.2; 74.4, 74.99		
	74.0	Classical cesarean section
	74.1	Low cervical cesarean section
	74.2	Extraperitoneal cesarean section
	74.4	Cesarean section of other specified type
	74.99	Other cesarean section of unspecified type
Hip replacement		
Includes total and partial replacement.		
ICD-9-CM (1996): 81.51--81.53		
	81.51	Total hip replacement
	81.52	Partial hip replacement
	81.53	Revision of hip replacement
<i>Note: in later versions of ICD-9-CM specific codes are available for revision of hip replacement with components specified:</i>		
ICD-9-CM (2006): 00.70--00.77, 81.53		
	00.70	Revision of hip replacement, both acetabular and femoral components
	00.71	Revision of hip replacement, acetabular component
	00.72	Revision of hip replacement, femoral component
	00.73	Revision of hip replacement, acetabular liner and/or femoral head only
	00.74	Hip replacement bearing surface, metal on polyethylene
	00.75	Hip replacement bearing surface, metal-on-metal
	00.76	Hip replacement bearing surface, ceramic-on-ceramic
	00.77	Hip replacement bearing surface, ceramic-on-polyethylene
	81.53	Revision of hip replacement, not otherwise specified
Total knee replacement		
Excludes partial knee replacement.		
ICD-9-CM (1996): 81.54		
	81.54	Total knee replacement
Partial excision of mammary gland		
Includes wedge excision and other partial excision with or without lymph node excision.		
Excludes biopsy and breast reduction surgery		
ICD-9-CM (1996): 85.20--85.23		
	85.20	Excision or destruction of breast tissue, not otherwise specified
	85.21	Local excision of lesion of breast
	85.22	Resection of quadrant of breast
	85.23	Subtotal mastectomy
Total mastectomy		
Includes radical mastectomy and mastectomy with preservation of skin and nipple (subcutaneous mastectomy).		
ICD-9-CM (1996): 85.33--85.36; 85.4		
	85.33	Unilateral subcutaneous mammectomy with synchronous implant
	85.34	Other unilateral subcutaneous mammectomy
	85.35	Bilateral subcutaneous mammectomy with synchronous implant
	85.36	Other bilateral subcutaneous mammectomy
	85.4	Mastectomy

1. This shortlist and its mapping with ICD-9-CM was established in 2007 by Ben Scharp, Caroline Goebertus, Janet Manuel and Björn Smedby for the second Hospital Data Project.

The mapping is primarily to ICD-9-CM (1996), which is the version used in some countries. Relevant changes in later versions are shown with codes from ICD-9-CM (2006).