

Online supplement

Table 1. Hospital types

Hospital type	Number
Small hospitals with acute function	21
Large hospitals with acute function	22
Regional hospitals	4

Table 2. Laparotomy cases after operation type (primary episode)

Operation type	Frequency, n (%)
Gastrointestinal tract	30 404 (38.9)
More than one type of surgery ^a	14 051 (18.0)
Female genital organs	10 720 (13.7)
Other urinary and male genital organs	6 536 (8.4)
Peripheral vascular surgery	4 628 (5.9)
Biliary tract	2 739 (3.5)
Other digestive system	2 226 (2.9)
Kidney	2 152 (2.8)
Exploratory laparotomy	2 061 (2.6)
Liver	1 122 (1.4)
Pancreas	775 (1.0)
Hernia (diaphragmal)	274 (0.4)
Spleen	248 (0.3)
Thoracoabdominal aorta	150 (0.2)

^aNot counting exploratory laparotomy

Table 3. Effect of hospital region, after risk adjustment. Odds ratio standardized to have geometric mean one.

Hospital region	Adjusted odds ratio (95% confidence interval)
South-Eastern Norway Region	0.85 (0.78 - 0.92)
Central Norway Region	0.99 (0.89 - 1.10)
Western Norway Region	1.06 (0.96 - 1.17)
Northern Norway Region	1.13 (1.001 - 1.27)

Diagnoses

Table 4. ICD-10 diagnosis codes contained in MDC 14 (Pregnancy, childbirth, and puerperium)

Code	Title
A34	Obstetrical tetanus
F53.0	Mild mental and behavioural disorders associated with the puerperium, not elsewhere classified
F53.1	Severe mental and behavioural disorders associated with the puerperium, not elsewhere classified
F53.8	Other mental and behavioural disorders associated with the puerperium, not elsewhere classified
F53.9	Puerperal mental disorder, unspecified
Oxx.x	Pregnancy, childbirth and puerperium
Z32.0	Pregnancy, not (yet) confirmed
Z32.1	Pregnancy confirmed
Z33	Pregnant state, incidental
Z34.0	Supervision of normal first pregnancy
Z34.8	Supervision of other normal pregnancy
Z34.9	Supervision of normal pregnancy, unspecified
Z35.0	Supervision of pregnancy with history of infertility
Z35.1	Supervision of pregnancy with history of abortive outcome
Z35.2	Supervision of pregnancy with other poor reproductive or obstetric history
Z35.3	Supervision of pregnancy with history of insufficient antenatal care
Z35.4	Supervision of pregnancy with grand multiparity
Z35.5	Supervision of elderly primigravida
Z35.6	Supervision of very young primigravida
Z35.8	Supervision of other high-risk pregnancies
Z35.9	Supervision of high-risk pregnancy, unspecified
Z36.0	Antenatal screening for chromosomal anomalies
Z36.1	Antenatal screening for raised alphafetoprotein level
Z36.2	Other antenatal screening based on amniocentesis
Z36.3	Antenatal screening for malformations using ultrasound and other physical methods
Z36.4	Antenatal screening for fetal growth retardation using ultrasound and other physical methods
Z36.5	Antenatal screening for isoimmunization
Z36.8	Other antenatal screening
Z36.9	Antenatal screening, unspecified
Z37.0	Single live birth
Z37.1	Single stillbirth
Z37.2	Twins, both liveborn
Z37.3	Twins, one liveborn and one stillborn
Z37.4	Twins, both stillborn
Z37.5	Other multiple births, all liveborn
Z37.6	Other multiple births, some liveborn
Z37.7	Other multiple births, all stillborn
Z37.9	Outcome of delivery, unspecified
Z39.0	Care and examination immediately after delivery
Z39.1	Care and examination of lactating mother
Z39.2	Routine postpartum follow-up
Z64.0	Problems related to unwanted pregnancy

Table 5. ICD-10 diagnosis codes for immunocompromised state

Code	Title
B20.0	HIV disease resulting in mycobacterial infection
B20.1	HIV disease resulting in other bacterial infections
B20.2	HIV disease resulting in cytomegaloviral disease
B20.3	HIV disease resulting in other viral infections
B20.4	HIV disease resulting in candidiasis
B20.5	HIV disease resulting in other mycoses
B20.6	HIV disease resulting in <i>Pneumocystis carinii</i> pneumonia
B20.7	HIV disease resulting in multiple infections
B20.8	HIV disease resulting in other infectious and parasitic diseases
B20.9	HIV disease resulting in unspecified infectious or parasitic disease
B21.0	HIV disease resulting in Kaposi's sarcoma
B21.1	HIV disease resulting in Burkitt's lymphoma
B21.2	HIV disease resulting in other types of non-Hodgkin's lymphoma
B21.3	HIV disease resulting in other malignant neoplasms of lymphoid, haematopoietic and related tissue
B21.7	HIV disease resulting in multiple malignant neoplasms
B21.8	HIV disease resulting in other malignant neoplasms
B21.9	HIV disease resulting in unspecified malignant neoplasm
B22.0	HIV disease resulting in encephalopathy
B22.1	HIV disease resulting in lymphoid interstitial pneumonitis
B22.2	HIV disease resulting in wasting syndrome
B22.7	HIV disease resulting in multiple diseases classified elsewhere
B23.1	HIV disease resulting in (persistent) generalized lymphadenopathy
B23.2	HIV disease resulting in haematological and immunological abnormalities, not elsewhere classified
B23.8	HIV disease resulting in other specified conditions
B24	Unspecified human immunodeficiency virus [HIV] disease
B59	Pneumocystosis
D47.1	Chronic myeloproliferative disease
D70	Agranulocytosis
D71	Functional disorders of polymorphonuclear neutrophils
D72.0	Genetic anomalies of leukocytes
D80.0	Hereditary hypogammaglobulinaemia
D80.1	Nonfamilial hypogammaglobulinaemia
D80.2	Selective deficiency of immunoglobulin A [IgA]
D80.3	Selective deficiency of immunoglobulin G [IgG] subclasses
D80.4	Selective deficiency of immunoglobulin M [IgM]
D80.5	Immunodeficiency with increased immunoglobulin M [IgM]
D80.6	Antibody deficiency with near-normal immunoglobulins or with hyperimmunoglobulinaemia
D80.7	Transient hypogammaglobulinaemia of infancy
D80.8	Other immunodeficiencies with predominantly antibody defects
D80.9	Immunodeficiency with predominantly antibody defects, unspecified
D81.0	Severe combined immunodeficiency [SCID] with reticular dysgenesis
D81.1	Severe combined immunodeficiency [SCID] with low T- and B-cell numbers
D81.2	Severe combined immunodeficiency [SCID] with low or normal B-cell numbers
D81.3	Adenosine deaminase [ADA] deficiency
D81.4	Nezelof's syndrome
D81.5	Purine nucleoside phosphorylase [PNP] deficiency
D81.6	Major histocompatibility complex class I deficiency
D81.7	Major histocompatibility complex class II deficiency
D81.8	Other combined immunodeficiencies
D81.9	Combined immunodeficiency, unspecified
D82.0	Wiskott-Aldrich syndrome
D82.1	Di George's syndrome

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Code	Title
D82.2	Immunodeficiency with short-limbed stature
D82.3	Immunodeficiency following hereditary defective response to Epstein-Barr virus
D82.4	Hyperimmunoglobulin E [IgE] syndrome
D82.8	Immunodeficiency associated with other specified major defects
D82.9	Immunodeficiency associated with major defect, unspecified
D83.0	Common variable immunodeficiency with predominant abnormalities of B-cell numbers and function
D83.1	Common variable immunodeficiency with predominant immunoregulatory T-cell disorders
D83.2	Common variable immunodeficiency with autoantibodies to B- or T-cells
D83.8	Other common variable immunodeficiencies
D83.9	Common variable immunodeficiency, unspecified
D84.0	Lymphocyte function antigen-1 [LFA-1] defect
D84.1	Defects in the complement system
D84.8	Other specified immunodeficiencies
D84.9	Immunodeficiency, unspecified
D89.8	Other specified disorders involving the immune mechanism, not elsewhere classified
D89.9	Disorder involving the immune mechanism, unspecified
E40	Kwashiorkor
E41	Nutritional marasmus
E42	Marasmic kwashiorkor
E43	Unspecified severe protein-energy malnutrition
I12.0	Hypertensive renal disease with renal failure
I13.1	Hypertensive heart and renal disease with renal failure
I13.2	Hypertensive heart and renal disease with both (congestive) heart failure and renal failure
K91.2	Postsurgical malabsorption, not elsewhere classified
N18.0	End-stage renal disease
N18.5	Chronic kidney disease, stage 5
N18.8	Other chronic renal failure
T86.0	Bone-marrow transplant rejection
T86.1	Kidney transplant failure and rejection
T86.2	Heart transplant failure and rejection
T86.3	Heart-lung transplant failure and rejection
T86.4	Liver transplant failure and rejection
T86.8	Failure and rejection of other transplanted organs and tissues
T86.9	Failure and rejection of unspecified transplanted organ and tissue
Y83.0	Surgical Operation with transplant of whole organ or tissue
Z49.0	Preparatory care for dialysis
Z49.1	Extracorporeal dialysis
Z49.2	Other dialysis
Z94.0	Kidney transplant status
Z94.1	Heart transplant status
Z94.2	Lung transplant status
Z94.3	Heart and lungs transplant status
Z94.4	Liver transplant status
Z94.8	Other transplanted organ and tissue status
Z94.9	Transplanted organ and tissue status, unspecified

Operations

Procedure codes for laparotomy and operation types. Laparotomy codes are the total of codes in tables 6-19. Note that a last code digit of 0, 3 or 6 signifies an open or other non-endoscopic operation or procedure, except for peripheral vascular surgery.

Table 6. NCSP-N codes for reclosure procedures

Code	Title
JWA00	Repair of wound dehiscence in gastroenterological surgery
KWA00	Repair of wound dehiscence in urological surgery
LWA00	Repair of wound dehiscence in gynaecological surgery
PWA00	Repair of wound dehiscence in surgery of peripheral vessels and lymphatic system

Table 7. NCSP-N code for exploratory laparotomy and opening of abdominal cavity

Code	Title
JAA00	Incision of abdominal wall
JAH00	Laparotomy
JAH20	Staging laparotomy
JAH30	Laparostomy
JAH33	Opening of laparostomy
JAH40	Thoracolumbarotomy

Table 8. NCSP-N codes for diaphragmal hernia repair

Code	Title
JBB00	Repair of paraoesophageal hernia
JBB10	Repair of congenital diaphragmatic hernia
JBB96	Repair of other diaphragmatic hernia
JBC00	Gastro-oesophageal antireflux operation

Table 9. NCSP-N codes for repair of thoracoabdominal aorta

Code	Title
FCD00	Suture of thoracoabdominal aorta
FCD10	Reinforcement of thoracoabdominal aorta using suture
FCD30	Repair of thoracoabdominal aorta using patch
FCD40	Partial resection and suture of thoracoabdominal aorta
FCD50	Resection and reconstruction of thoracoabdominal aorta using tube graft
FCD60	Resection of thoracoabdominal aorta and reimplantation of branches
FCD70	Bypass of thoracoabdominal aorta using tube graft
FCD80	Removal of foreign body from thoracoabdominal aorta
FCD96	Other repair of thoracoabdominal aorta

Table 10. NCSP-N codes for procedures on the gastrointestinal tract: oesophagus, stomach and intestines

Code	Title
JCB00	Oesophagostomy
JCC00	Transhiatal partial oesophagectomy without interposition
JCC10	Transthoracic partial oesophagectomy without interposition
JCC20	Transhiatal partial oesophagectomy with interposition of intestine
JCC30	Transthoracic partial oesophagectomy with interposition of intestine
JCC96	Other partial oesophagectomy
JCD00	Subcutaneous anastomosis of oesophagus without interposition
JCD03	Subcutaneous anastomosis of oesophagus with interposition of intestine
JCD10	Intrathoracic anastomosis of oesophagus without interposition
JCD13	Intrathoracic oesophageal anastomosis with interposition of intestine
JCD20	Transsection of oesophagus
JCD96	Other anastomosis of oesophagus without resection
JCE00	Suture of oesophagus
JCE10	Plastic repair of stenosis of cardia
JCE20	Cardiomyotomy
JCE30	Repair of oesophageal atresia or congenital tracheo-oesophageal fistula
JCE33	Closure of acquired tracheo-oesophageal or broncho-oesophageal fistula
JCE40	Reconstruction of oesophagus using flap
JCE50	Reconstruction of oesophagus using free microvascular graft of intestine
JCE96	Other reconstruction of oesophagus
JCF00	Insertion of oesophageal stent
JCW96	Other operation on oesophagus
JDA00	Gastrotomy
JDA60	Closure of perforated ulcer of stomach
JDA63	Local excision of lesion of stomach
JDB00	Gastrostomy
JDB10	Percutaneous gastrostomy
JDC00	Partial gastrectomy and gastroduodenostomy
JDC10	Partial gastrectomy and gastrojejunostomy
JDC20	Partial gastrectomy and Roux-en-Y reconstruction
JDC30	Partial gastrectomy with interposition of jejunum
JDC40	Partial gastrectomy and oesophagogastrostomy
JDC96	Partial gastrectomy with other reconstruction
JDD00	Total gastrectomy and Roux-en-Y oesophagojejunostomy
JDD96	Total gastrectomy with other reconstruction
JDE00	Gastrojejunostomy
JDE10	Conversion of gastrojejunostomy to Roux-en-Y anastomosis
JDE20	Conversion of gastrojejunostomy to gastroduodenostomy with interposition of jejunum
JDE96	Other anastomosis of stomach without concurrent gastrectomy
JDF00	Gastroplasty

Code	Title
JDF10	Gastric bypass
JDF20	Gastric banding
JDF96	Other bariatric operation on stomach
JDG00	Truncal vagotomy
JDG10	Proximal gastric vagotomy
JDG96	Other vagotomy
JDH00	Duodenotomy
JDH40	Duodenostomy on duodenal bulb
JDH50	Local excision of lesion of duodenal bulb
JDH60	Pyloromyotomy
JDH63	Pyloroplasty
JDH70	Closure of perforated ulcer of duodenum
JDW96	Other operation on stomach or duodenum
JEA00	Appendectomy
JEA10	Appendectomy with drainage
JEW96	Other operation on appendix
JFA00	Enterotomy
JFA10	Colotomy
JFA16	Biopsy of wall of colon without colotomy
JFA60	Stricturoplasty in small intestine
JFA63	Stricturoplasty in colon
JFA70	Suture of small intestine
JFA73	Excision of lesion of small intestine
JFA76	Closure of fistula of small intestine
JFA80	Suture of colon
JFA83	Excision of lesion of colon
JFA86	Closure of fistula of colon
JFA96	Other local operation on intestine
JFB00	Partial resection of small intestine
JFB10	Reversal of segment of small intestine
JFB13	Plastic repair of small intestine with lengthening
JFB20	Ileocaecal resection
JFB30	Right hemicolectomy
JFB33	Other resection comprising small intestine and colon
JFB40	Resection of transverse colon
JFB43	Left hemicolectomy
JFB46	Resection of sigmoid colon
JFB50	Other resection of colon
JFB53	Resection of sigmoid colon sigmoideum with partial resection of rectum
JFB60	Resection of sigmoid colon with end colostomy
JFB63	Other resection of colon with proximal colostomy and closure of distal stump
JFB96	Other partial excision of intestine
JFC00	Entero-enterostomy
JFC10	Ileotransversostomy

Code	Title
JFC20	Other enterocolostomy
JFC30	Colo-colostomy
JFC40	Ileorectostomy
JFC50	Colorectostomy
JFD00	Jejunioileal bypass
JFD03	Duodenoileal bypass with biliopancreatic diversion
JFD10	Revision of jejunioileal bypass
JFD13	Revision of duodenoileal bypass
JFD20	Restoration of continuity after jejunioileal bypass
JFD23	Restoration of continuity after duodenoileal bypass
JFD96	Other intestinal bypass operation
JFE00	Transplantation of small intestine
JFE96	Other operation relating to transplantation of small intestine
JFF00	Catheter enterostomy
JFF10	Loop enterostomy
JFF13	Terminal enterostomy
JFF16	Conversion of ileoanal anastomosis to ileostomy
JFF20	Caecostomy
JFF23	Transversostomy
JFF26	Sigmoidostomy
JFF30	Other colostomy
JFF40	Appendicostomy
JFF50	Exteriorisation of loop of colon without opening
JFF60	Opening of exteriorised loop of colon
JFF96	Other exteriorisation of intestine or creation of intestinal stoma
JFG00	Closure of loop enterostomy without resection
JFG10	Closure of loop colostomy without resection
JFG20	Closure of enterostomy with resection of exteriorised loop
JFG23	Closure of terminal enterostomy with anastomosis to small intestine
JFG26	Closure of terminal enterostomy with anastomosis to colon
JFG30	Closure of colostomy with resection of exteriorised loop
JFG33	Closure of terminal colostomy with anastomosis to colon
JFG36	Closure of terminal colostomy with anastomosis to rectum
JFG40	Revision of enterostomy or colostomy without laparotomy
JFG50	Laparotomy with revision of enterostomy or colostomy
JFG53	Revision of ileal pelvic pouch
JFG56	Revision of colonic pelvic pouch
JFG60	Conversion of conventional ileostomy to continent ileostomy
JFG70	Conversion of continent ileostomy to conventional ileostomy
JFG73	Excision of ileal pelvic pouch
JFG76	Excision of colonic pelvic pouch with colorectal or coloanal anastomosis
JFG80	Excision of ileal pouch with construction of new continent ileostomy
JFG83	Excision of colonic pelvic pouch and construction of new pouch
JFG86	Excision of ileal pelvic pouch and construction of new pouch

Code	Title
JFG96	Other operation on intestinal stoma or pouch
JFH00	Total colectomy and ileorectal anastomosis
JFH10	Total colectomy and ileostomy
JFH20	Proctocolectomy and ileostomy
JFH30	Total colectomy, mucosal proctectomy and ileoanal anastomosis without ileostomy
JFH33	Total colectomy, mucosal proctectomy, ileoanal anastomosis and ileostomy
JFH40	Proctocolectomy and continent ileostomy
JFH96	Other total colectomy
JFJ00	Coecopexy
JFJ96	Other enteropexy or colopexy
JFK00	Division of adhesive band in intestinal obstruction
JFK10	Freeing of adhesions in intestinal obstruction
JFK20	Freeing of adhesions and plication of small intestine
JFK96	Other operation on adhesions in intestinal obstruction
JFL00	Open reduction of intussusception of intestine
JFL10	Laparotomy and manipulation of obstructed intestine
JFL20	Laparotomy and manipulation of impacted material
JFL96	Other operation for intestinal obstruction without resection or freeing of adhesions
JFW96	Other operation on intestine
JGA00	Proctotomy
JGA60	Suture of rectum
JGA70	Proctotomy and excision of lesion of rectum
JGA96	Other proctotomy or local operation on rectum
JGB00	Partial proctectomy and colorectal or coloanal anastomosis
JGB03	Partial proctectomy with partial excision of mesorectum
JGB06	Total mesorectal excision
JGB10	Partial proctectomy and end colostomy
JGB20	Partial rectosigmoidectomy and abdominoperineal pull-through anastomosis
JGB30	Abdominoperineal excision of rectum
JGB33	Abdominoperineal excision of rectum and intersphincter resection
JGB36	Wide excision of rectum
JGB40	Excision of rectum and end ileostomy
JGB50	Mucosal proctectomy and ileoanal anastomosis
JGB60	Excision of rectum and ileoanal anastomosis
JGB96	Other proctectomy or excision of rectum
JGC00	Rectopexy
JGC30	Excision and suture of rectal mucosa with imbrication of muscular layer
JGC96	Other reconstructive operation on rectum
JGW96	Other operation on rectum

Table 11. NCSP-N codes for procedures on the liver

Code	Title
JJA00	Exploration of liver
JJA10	Hepatotomy
JJA20	Open biopsy of liver
JJA23	Open needle biopsy of liver
JJA30	Fenestration of cyst of liver
JJA40	Excision of lesion of liver
JJA43	Destruction of lesion of liver
JJA50	Suture of liver
JJA96	Other local operation on liver
JJB00	Wedge resection of liver
JJB10	Atypical resection of liver
JJB20	Excision of single segment of liver
JJB30	Excision of two segments of liver
JJB40	Excision of segments II, III and IV of liver
JJB50	Excision of segments V, VI, VII and VIII of liver
JJB53	Excision of segments IV,V, VI, VII and VIII of liver
JJB60	Other excision of three or more segments of liver
JJB96	Other resection of liver
JJC00	Allogenic transplantation of liver
JJC10	Allogenic partial transplantation of liver
JJC20	Allogenic partial transplantation of liver from living donor
JJC30	Xenogenic transplantation of liver
JJC40	Xenogenic partial transplantation of liver
JJC50	Resection of transplanted liver
JJC60	Total excision of transplanted liver
JJC96	Other transplantation of liver or related operation
JJW96	Other operation on liver

Table 12. NCSP-N codes for procedures on biliary tract

Code	Title
JKA00	Cholecystotomy
JKA10	Cholecystostomy
JKA20	Cholecystectomy
JKA96	Other operation on gallbladder
JKB00	Incision of bile duct
JKB20	Intraoperative cholangioscopy
JKB30	Percutaneous transhepatic biliary drainage
JKB40	Suture of bile duct
JKB96	Other incision or related operation on bile duct
JKC00	Incision of bile duct and local excision of lesion
JKC10	Partial excision and anastomosis of bile duct

Code	Title
JKC20	Partial excision of bile duct and anastomosis to duodenum
JKC30	Partial excision of bile duct and anastomosis to jejunum
JKC40	Partial excision of right or left hepatic duct and anastomosis to jejunum
JKC50	Excision of papilla of Vater and anastomosis of bile duct to duodenum or jejunum
JKC96	Other excision of bile duct
JKD00	Anastomosis of gallbladder to jejunum
JKD10	Anastomosis of bile duct to duodenum
JKD20	Anastomosis of bile duct to jejunum
JKD30	Extrahepatic anastomosis of right or left hepatic duct to jejunum
JKD40	Anastomosis of intrahepatic bile duct to jejunum
JKD50	Hepatoportoenterostomy
JKD96	Other biliodigestive anastomosis without excision
JKE00	Transduodenal papillotomy
JKE06	Transduodenal sphincteroplasty
JKE96	Other transduodenal open operation on bile duct or ampulla of Vater
JKF00	Excision of cystic duct
JKF96	Other secondary operation on biliary tract
JKW96	Other operation on biliary tract

Table 13. NCSP-N codes for procedures on the pancreas

Code	Title
JLA00	Exploration of pancreas
JLA10	Biopsy of pancreas
JLB00	Incision of pancreas
JLB10	Pancreaticolithotomy
JLB96	Other incision, drainage or dilatation of pancreas
JLC00	Excision of lesion of pancreas
JLC10	Distal pancreatectomy
JLC20	Total pancreatectomy
JLC30	Pancreatoduodenectomy
JLC40	Total pancreatoduodenectomy
JLC50	Atypical pancreatectomy
JLC96	Other pancreatectomy
JLD00	Pancreaticojejunostomy
JLD10	Anastomosis of pancreatic pseudocyst to stomach
JLD20	Anastomosis of pancreatic pseudocyst to jejunum
JLE00	Allogenic total transplantation of pancreas with pancreaticocystostomy
JLE03	Allogenic total transplantation of pancreas with pancreaticoenterostomy
JLE10	Allogenic segmental transplantation of pancreas
JLE16	Allogenic segmental transplantation of pancreas from living donor
JLE20	Allogenic islet cell transplantation
JLE30	Xenogenic islet cell transplantation

Code	Title
JLE40	Total excision of transplanted pancreas
JLE50	Occlusion of duct of transplanted pancreas
JLE56	Conversion of pancreaticocystostomy to pancreaticoenterostomy
JLE96	Other transplantation of pancreas or related operation
JLW96	Other operation on pancreas

Table 14. NCSP-N codes for procedures on the spleen

Code	Title
JMA00	Partial splenectomy
JMA10	Transabdominal total splenectomy
JMA20	Transthoracic total splenectomy
JMB00	Biopsy of spleen
JMB10	Repair of spleen
JMW96	Other operation on spleen

Table 15. NCSP-N codes for other digestive system procedures

Code	Title
JAA10	Excision of lesion of abdominal wall
JAA13	Wide excision of extensive necrotising conditions of abdominal wall
JAA96	Other local operation on abdominal wall
JAK00	Laparotomy and drainage of peritoneal cavity
JAK03	Laparotomy and peritoneal irrigation
JAK10	Laparotomy and insertion of peritoneal dialysis catheter
JAL00	Biopsy of peritoneum
JAL10	Laparotomy and removal of foreign body
JAL20	Excision or destruction of lesion of peritoneum
JAL23	Excision of local lesion of pelvic wall
JAL30	Omentectomy
JAL50	Intraabdominal revision of shunt of ventricle of brain
JAL96	Other excision of lesion of peritoneum
JAM00	Transposition of omentum
JAM10	Operation for malrotation of intestine
JAN00	Creation of peritoneovenous shunt
JAN10	Revision of peritoneovenous shunt
JAN20	Removal of peritoneovenous shunt
JAP00	Freeing of adhesions in the peritoneal cavity
JAQ00	Extensive excision of peritoneum
JAQ10	Intraoperative hyperthermic chemotherapeutic perfusion of abdominal cavity
JAW96	Other operation on abdominal wall, peritoneum, mesentery or omentum
JBA00	Transabdominal repair of diaphragm for rupture

Code	Title
JBA10	Transabdominal biopsy or excision of lesion of diaphragm
JBA20	Transabdominal partial excision of diaphragm
JBW96	Other transabdominal operation on diaphragm or operation for gastro-oesophageal reflux

Table 16. NCSP-N codes for procedures on kidney and pelvis of kidney

Code	Title
KAA00	Exploration of kidney
KAA20	Exploratory nephrotomy
KAA30	Exploratory pyelotomy
KAA96	Other exploration of kidney or pelvis of kidney
KAB00	Biopsy of kidney or pelvis of kidney
KAC00	Nephrectomy
KAC20	Nephroureterectomy
KAD00	Partial nephrectomy
KAD10	Heminephrectomy
KAD40	Partial excision of pelvis of kidney
KAD50	Destruction of tumour of pelvis of kidney
KAD56	Destruction of lesion of renal parenchyma
KAD60	Percutaneous destruction of lesion of renal parenchyma
KAD96	Other partial excision of kidney or pelvis of kidney
KAE00	Nephrolithotomy
KAE10	Pyelolithotomy
KAE96	Other removal of calculus from kidney or pelvis of kidney
KAF00	Removal of foreign body from kidney
KAF10	Removal of foreign body from pelvis of kidney
KAH00	Suture of kidney
KAH10	Suture of pelvis of kidney
KAH30	Pyeloureteroplasty without division of ureteropelvic junction
KAH40	Pyeloureteroplasty with division of ureteropelvic junction
KAH50	Ureterocalyceal anastomosis
KAH70	Freeing of adhesions of ureteropelvic junction
KAH80	Nephropexy
KAH96	Other reconstruction of kidney or pelvis of kidney
KAS00	Autotransplantation of kidney
KAS10	Allogenic transplantation of kidney from cadaver donor
KAS13	Allogenic transplantation of kidney from cadaver donor
KAS20	Allogenic transplantation of kidney from living donor with minimally invasive technique
KAS23	Allogenic transplantation of kidney from living donor with minimally invasive technique
KAS40	Excision of transplanted kidney
KAS50	Nephrocystostomy in transplanted kidney
KAS60	Operation for lymphocele of transplanted kidney
KAS96	Other transplantation of kidney or related procedure
KAW96	Other operation on kidney or pelvis of kidney

Table 17. NCSP-N codes for procedures on other urinary and male genital organs: ureter, bladder, urethra, prostate and seminal vesicles

Code	Title
KBA00	Exploration of ureter
KBA10	Exploratory ureterotomy
KBA96	Other exploration of ureter
KBB00	Biopsy of ureter
KBC00	Ureterectomy
KBD00	Partial excision of ureter
KBD20	Destruction of tumour of ureter
KBD30	Excision of stump of ureter
KBD96	Other partial excision of ureter or destruction of tumour of ureter
KBE00	Ureterolithotomy
KBE96	Other operation for calculus of ureter
KBF00	Removal of foreign body from ureter
KBH00	Suture of ureter
KBH06	Ureteroureterostomy
KBH10	Connection of ureter to contralateral ureter
KBH20	Replantation of ureter
KBH30	Ileal replacement of ureter
KBH40	Plastic repair of ureter
KBH50	Ureterolysis
KBH96	Other repair or connection of ureter
KBJ00	Cutaneous ureterostomy
KBJ10	Cutaneous ureteroenterostomy
KBJ20	Cutaneous ureteroenterostomy with reservoir
KBJ40	Ureteroenterostomy
KBJ60	Anastomosis of ureter to urethra with interposition of ileum
KBJ70	Removal of calculus from ileal conduit or reservoir
KBJ80	Operation for malfunction of urinary diversion
KBJ96	Other urinary diversion from ureter or related operation
KBV00	Insertion of stent into ureter
KBV10	Removal of stent from ureter
KBV40	Incision or excision of ureterocele
KBW96	Other operation on ureter
KCA00	Exploratory cystotomy
KCB00	Biopsy of bladder
KCC00	Cystectomy
KCC10	Cystoprostatectomy
KCC20	Cystoprostatourethrectomy
KCC30	Cystectomy with excision of female internal genital organs
KCC96	Other cystectomy
KCD10	Partial cystectomy
KCD20	Excision of diverticulum of bladder
KCD30	Destruction of tumour of bladder

Code	Title
KCD40	Excision of urachus or other vesicocutaneous fistula
KCD96	Other partial excision or destruction of tumour of bladder
KCE00	Cystolithotomy
KCF00	Cystotomy and removal of foreign body from bladder
KCH00	Suture of bladder
KCH10	Enterocystoplasty
KCH20	Reduction cystoplasty
KCH30	Closure of vesicointestinal fistula
KCH40	Incision or resection of bladder neck
KCH96	Other reconstructive operation on bladder
KCJ00	Cystostomy
KCJ10	Cutaneous cystoenterostomy
KCJ20	Continent cutaneous cystoenterostomy
KCJ96	Other cystostomy
KCV10	Denervation of bladder
KCV20	Freeing of bladder
KCW96	Other operations on bladder
KDC00	Urethrectomy
KDD00	Partial excision of urethra
KDD10	Excision of diverticulum of urethra
KDD30	Destruction of tumour of urethra
KDD40	Resection of external sphincter of urethra
KDD50	Excision of urethral valve
KDD80	Partial excision of urethra and repair using graft or flap
KDD96	Other partial excision of urethra
KDG00	Retropubic suspension of urethra
KDG20	Abdominal colposuspension
KDG30	Suprapubic sling urethrocystopexy
KDG40	Suprapubic urethrocystopexy
KDG43	Transobturatorial sling urethrocystopexy
KDG50	Transabdominal plastic repair of pelvic floor for urinary incontinence
KDG60	Implantation of adjustable expander around bladder neck
KDG70	Exploration of urethra
KDG96	Other operation on urethra or bladder neck for incontinence
KDH00	Suture of urethra
KDH10	Meatoplasty of urethra
KDH30	Closure of urethrocutaneous fistula
KDH50	Closure of urethrointestinal fistula
KDH70	Plastic repair of stricture of urethra
KDH96	Other reconstructive operation on urethra
KDJ00	Urethrostomy
KDK00	Implantation of artificial urinary sphincter around bladder neck
KDK10	Implantation of artificial urinary sphincter around bulbar urethra
KDK30	Revision of artificial urethral sphincter

Code	Title
KDK40	Removal of artificial urethral sphincter
KDW96	Other operation on urethra
KEA00	Exploration of prostate
KEA10	Prostatotomy
KEA20	Incision of seminal vesicle
KEB00	Biopsy of prostate
KED96	Other partial excision of prostate
KEE00	Prostatalithotomy
KEE10	Removal of foreign body from prostate
KEW96	Other operation on prostate or seminal vesicle

Table 18- NCSP-N codes for procedures on female genital organs: ovary, fallopian tube, uterus and uterine ligaments

Code	Title
LAA00	Puncture of ovarian cyst
LAB00	Ovariectomy
LAB10	Biopsy of ovary
LAB96	Other incision or biopsy of ovary
LAC00	Excision of ovarian cyst
LAC10	Fenestration of ovarian cyst
LAC20	Destruction of lesion of ovary
LAC30	Excision of paraovarian cyst
LAC96	Other excision or destruction of lesion of ovary
LAD00	Partial excision of ovary
LAE10	Unilateral oophorectomy
LAE20	Bilateral oophorectomy
LAF00	Unilateral salpingo-oophorectomy
LAF10	Bilateral salpingo-oophorectomy
LAF20	Unilateral transvaginal salpingo-oophorectomy
LAF30	Bilateral transvaginal salpingo-oophorectomy
LAG00	Freeing of adhesions of ovary
LAG10	Oophoropexy
LAG20	Detorsion of ovary
LAG96	Other reconstructive operation on ovary
LAW96	Other operation on ovary
LBB00	Biopsy of Fallopian tube
LBB96	Other biopsy of Fallopian tube
LBC10	Removal of products of conception from Fallopian tube
LBC20	Salpingotomy and removal of products of conception
LBC96	Other tube conserving operation for tubal pregnancy
LBD00	Partial excision of Fallopian tube
LBE00	Salpingectomy
LBF00	Perfusion of Fallopian tube

Code	Title
LBF03	Perfusion of Fallopian tube after reconstruction
LBF20	Transcervical catheter salpingoplasty
LBF30	Salpingolysis
LBF40	Fimbrioplasty
LBF50	Salpingostomy
LBF60	Partial excision and anastomosis of Fallopian tube
LBF70	Partial excision and reimplantation of Fallopian tube
LBF96	Other operation on Fallopian tube for infertility
LBW96	Other operation on Fallopian tube
LCA00	Biopsy of uterus or uterine ligaments
LCB00	Hysterotomy
LCB10	Myomectomy
LCB96	Other excision of lesion of uterus
LCC00	Partial excision of uterus
LCC10	Supravaginal hysterectomy
LCC20	Vaginal supravaginal hysterectomy
LCC96	Other partial excision of uterus
LCD00	Hysterectomy
LCD10	Vaginal hysterectomy
LCD30	Radical hysterectomy
LCD40	Radical vaginal hysterectomy
LCD96	Other hysterectomy
LCE00	Anterior exenteration of female pelvis
LCE10	Posterior exenteration of female pelvis
LCE20	Total exenteration of female pelvis
LCE96	Other exenteration of female pelvis
LCF00	Excision of lesion of parametrium
LCF10	Excision of female varicocele
LCF96	Other excision of lesion of parametrium
LCG10	Suture of uterus
LCG20	Hysteropexy
LCG30	Resection or transcision of sacrouterine ligaments
LCG40	Reconstruction of uterus
LCG96	Other reconstructive operation on uterus
LCW96	Other operation on uterus and uterine ligaments

Table 19. NCSP-N codes for procedures on the peripheral vessels of the abdomen

Code	Title
PCB20	Ligature of coeliac trunk and branches
PCB30	Ligature of superior mesenteric artery
PCB40	Ligature of renal artery
PCB99	Ligature of other visceral artery
PCC10	Suture of suprarenal or juxtarenal abdominal aorta
PCC20	Suture of coeliac trunk and branches
PCC30	Suture of superior mesenteric artery
PCC40	Suture of renal artery
PCC99	Suture of other visceral artery
PCE30	Thrombectomy or embolectomy of superior mesenteric artery
PCE40	Thrombectomy or embolectomy of renal artery
PCE99	Thrombectomy or embolectomy of other visceral artery
PCF20	Thrombendarterectomy of coeliac trunk and branches
PCF30	Thrombendarterectomy of superior mesenteric artery
PCF40	Thrombendarterectomy of renal artery
PCF99	Thrombendarterectomy of other visceral artery
PCG10	Operation for aneurysm of supracoeliac or juxtarenal abdominal aorta
PCG20	Operation for aneurysm of coeliac trunk and branches
PCG30	Operation for aneurysm of superior mesenteric artery
PCG40	Operation for aneurysm of renal artery
PCG99	Operation for aneurysm of other visceral artery
PCH10	Bypass from supracoeliac or juxtarenal abdominal aorta
PCH20	Bypass to/from coeliac trunk and branches
PCH30	Bypass from superior mesenteric artery
PCH40	Bypass from renal artery
PCH99	Bypass from other visceral artery
PCJ30	Transposition of superior mesenteric artery
PCJ40	Transposition of renal artery
PCJ99	Transposition of other visceral artery
PCK20	Reimplantation of coeliac trunk and branches
PCK30	Reimplantation of superior mesenteric artery
PCK40	Reimplantation of renal artery
PCK50	Reimplantation of inferior mesenteric artery
PCK99	Reimplantation of other visceral artery
PCN20	Plastic repair of coeliac trunk and branches
PCN30	Plastic repair of superior mesenteric artery
PCN40	Plastic repair of renal artery
PCN99	Plastic repair of other visceral artery
PCU70	Exploration of previous reconstruction of suprarenal abdominal aorta or visceral arteries
PCU74	Thrombectomy or embolectomy in bypass from suprarenal abdominal aorta and visceral arteries
PCU81	Closure of persisting arteriovenous fistula of bypass from suprarenal abdominal aorta and visceral arteries
PCU82	Plastic repair in bypass from suprarenal abdominal aorta and visceral arteries
PCU99	Other repair after previous reconstruction of suprarenal abdominal aorta and visceral arteries

Code	Title
PCW99	Other operation on suprarenal abdominal aorta and visceral arteries
PDA10	Exploration of infrarenal abdominal aorta
PDA30	Exploration of iliac artery
PDC10	Suture of infrarenal abdominal aorta
PDC30	Suture of iliac artery
PDE10	Thrombectomy or embolectomy of infrarenal abdominal aorta
PDE30	Thrombectomy or embolectomy of iliac artery
PDF10	Thrombendarterectomy of infrarenal abdominal aorta
PDF30	Thrombendarterectomy of iliac artery
PDG10	Operation on infrarenal abdominal aorta for aneurysm
PDG20	Bypass from aorta to iliac artery for aneurysm
PDG21	Bypass from aorta to bilateral iliac arteries for aneurysm
PDG22	Bypass from aorta to iliac and contralateral femoral artery for aneurysm
PDG23	Bypass from aorta to femoral artery for aneurysm
PDG24	Bypass from aorta to bilateral femoral arteries for aneurysm
PDG30	Operation on iliac artery for aneurysm
PDG35	Bypass from iliac to femoral artery for aneurysm
PDG99	Other operation for aneurysm of infrarenal abdominal aorta and iliac arteries
PDH10	Bypass from infrarenal abdominal aorta
PDH20	Bypass from aorta to iliac artery
PDH21	Bypass from aorta to bilateral iliac arteries
PDH22	Bypass from aorta to iliac and contralateral femoral artery
PDH23	Bypass from aorta to femoral artery
PDH24	Bypass from aorta to bilateral femoral arteries
PDH30	Bypass from iliac artery
PDH35	Bypass from iliac to femoral artery
PDH99	Other bypass from abdominal aorta or iliac artery
PDN10	Plastic repair of infrarenal abdominal aorta
PDN30	Plastic repair of iliac artery
PDU70	Exploration of previous reconstruction of infrarenal abdominal aorta or iliac arteries and distal connections
PDU74	Thrombectomy or embolectomy in bypass from infrarenal abdominal aorta or iliac artery
PDU81	Closure of persisting arteriovenous fistula of bypass from infrarenal abdominal aorta or iliac artery
PDU82	Plastic repair of bypass from infrarenal abdominal aorta or iliac artery
PDU99	Other repair after previous reconstruction of infrarenal abdominal aorta and iliac arteries and distal
PDW99	Other operation on infrarenal abdominal aorta and iliac arteries and distal connections
PHB23	Ligature of iliac vein
PHB30	Ligature of inferior vena cava
PHB31	Ligature of renal vein
PHB32	Ligature of portal vein
PHB33	Ligature of v. mesenterica superior
PHB34	Ligature of v. mesenterica inferior
PHB36	Ligature of v. spermatica
PHC23	Suture of iliac vein
PHC30	Suture of inferior vena cava

Code	Title
PHC31	Suture of renal vein
PHC32	Suture of portal vein
PHC33	Suture of v. mesenterica superior
PHC34	Suture of v. mesenterica inferior
PHD30	Resection of inferior vena cava
PHD32	Resection of portal vein
PHD33	Resection of v. mesenterica superior
PHD34	Resection of v. mesenterica inferior
PHD36	Resection of v. spermatica
PHE23	Thrombectomy of iliac vein
PHE30	Thrombectomy of inferior vena cava
PHE31	Thrombectomy of renal vein
PHH25	Bypass from iliac vein
PHH30	Bypass from inferior vena cava
PHN30	Plastic repair of inferior vena cava
PHN32	Plastic repair of portal vein
PHN33	Plastic repair of v. mesenterica superior
PHN34	Plastic repair of v. mesenterica inferior
PHW35	Portosystemic shunt or bypass