

Patient Safety Indicators

Specification 28/1/2008

This document last amended 13/10/2008 (change of status of PSI5 to “No longer used” and PSI6 to “Not used”)

Based on AHRQ PSI indicators

http://www.qualityindicators.ahrq.gov/psi_overview.htm

Dr Foster Unit
Imperial College

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Death in Low-Mortality HRGs (PSI 2)

This indicator is available in **two versions**: one using HRGs and a second using CCS groups. The numerator and exclusions are the same for both, as is the qualifying death rate for HRGs or CCS groups (<0.5% over three years of data).

Numerator

All spells with method of discharge as death (DISMETH=4 or 5)

Denominator

Discharges, 18 years or older, spells related to pregnancy, childbirth and puerperium, or HRGs with less than 0.5% mortality rate (based on 2000/1-2004/5 data combined). If a HRG is divided into with/without complications (including >69 or <70 ages), then both HRGs must have mortality rates below 0.5% to qualify for inclusion.

Exclude cases

- With any code for trauma, immunocompromised state, or cancer

See Appendix A: Trauma diagnosis codes

See Appendix B: Codes for immunocompromised states

See Appendix C: Cancer codes

Low mortality HRGs

A07 Intermediate Pain Procedures
A08 Percutaneous Image Controlled Pain Procedures
A24 Cranial Nerve Disorders
A27 Headache or Migraine >69 or w cc
A28 Headache or Migraine <70 w/o cc
B13 Phakoemulsification Cataract Extraction and Insertion of Lens
B14 Non Phakoemulsification Cataract Surgery
B15 Other Lens Surgery Low Complexity
B16 Oculoplastic Low Complexity
B17 Oculoplastic Intermediate Complexity
B18 Oculoplastic High Complexity
B19 Orbit / Lacrimal Low Complexity
B20 Orbit / Lacrimal Intermediate Complexity
B21 Orbit / Lacrimal High Complexity
B22 Cornea / Sclera Low Complexity
B23 Cornea / Sclera Intermediate / High Complexity
B24 Ocular Motility Intermediate Complexity
B25 Ocular Motility Redo / Adjustable / High Complexity
B26 Glaucoma / Uvea Low Complexity
B27 Glaucoma / Uvea Intermediate Complexity
B28 Glaucoma / Uvea High Complexity
B29 Surgical Retina Low Complexity

B30 Surgical Retina Intermediate Complexity
 B31 Surgical Retina High Complexity
 B32 Non Surgical Ophthalmology with los <2 days
 B33 Non Surgical Ophthalmology with los >1 day
 C04 Minor Mouth or Throat Procedures
 C15 Minor Maxillo - facial/ENT procedures
 C21 Intermediate Ear Procedures
 C22 Intermediate Nose Procedures
 C25 Intermediate Maxillo-facial/ENT procedures
 C31 Major Ear Procedures
 C32 Major Nose Procedures
 C35 Major Maxillo-facial/ENT Procedures
 C41 Complex Major Ear Procedures
 C42 Complex Major Nose Procedures
 C45 ENT Complex Major Maxillo-facial Procedures
 C55 Minor Ear Procedures
 C56 Minor Nose Procedures
 C57 Major Mouth or Throat Procedures
 C58 Intermediate Mouth or Throat Procedures
 C60 Cochlea Implants
 C98 Chemotherapy with a Mouth - Head - Neck or Ear Primary Diagnosis
 D07 Fiberoptic Bronchoscopy
 D08 Rigid Bronchoscopy
 D31 Sleep Disordered Breathing
 D52 Plurisy
 E09 Cardiac Pacemaker Replacement/Revision
 E14 Cardiac Catheterisation and Angiography without complications
 F02 Oesophagus - Very Major Procedures
 F06 Diagnostic Procedures - Oesophagus and Stomach
 F35 Large Intestine - Endoscopic or Intermediate Procedures
 F42 General Abdominal - Very Major or Major Procedures <70 w/o cc
 F44 General Abdominal - Endoscopic or Intermediate Procedures <70 w/o cc
 F53 Inflammatory Bowel Disease - Endoscopic or Intermediate Procedures >69 or
 w cc
 F54 Inflammatory Bowel Disease - Endoscopic or Intermediate Procedures <70
 w/o cc
 F73 Inguinal Umbilical or Femoral Hernia Repairs >69 or w cc
 F74 Inguinal Umbilical or Femoral Hernia Repairs <70 w/o cc
 F75 Herniotomy Procedures
 F91 Anus - Major Procedures
 F92 Anus - Intermediate Procedures >69 or w cc
 F93 Anus - Intermediate Procedures <70 w/o cc
 F94 Anus - Minor Procedures >69 or w cc
 F95 Anus - Minor Procedures <70 w/o cc
 H04 Primary Knee Replacement
 H07 Primary or Revisional Shoulder - Elbow - or Ankle Replacements
 H08 Joint Replacements or Revisions - Site Unspecified
 H09 Anterior Cruciate Ligament Reconstruction
 H10 Arthroscopies
 H11 Foot Procedures - Category 1
 H12 Foot Procedures - Category 2

H13 Hand Procedures - Category 1
 H14 Hand Procedures - Category 2
 H15 Hand Procedures - Category 3
 H17 Soft Tissue or Other Bone Procedures - Category 1 <70 w/o cc
 H19 Soft Tissue or Other Bone Procedures - Category 2 <70 w/o cc
 H20 Muscle - Tendon or Ligament Procedures - Category 1
 H21 Muscle - Tendon or Ligament Procedures - Category 2
 H22 Minor Procedures to the Musculoskeletal System
 H29 Congenital Hip Dislocation with Open Procedures
 H38 Open Upper Limb Fractures or Dislocations
 H45 Minor Fractures or Dislocations
 H70 Resurfacing of Hip
 H98 Chemotherapy with a Musculoskeletal System Primary Diagnosis
 J01 Complex Breast Reconstruction using Flaps
 J04 Intermediate Breast Surgery w cc
 J05 Intermediate Breast Surgery w/o cc
 J06 Minor Breast Surgery w cc
 J07 Minor Breast Surgery w/o cc
 J08 Non-Malignant Breast Disorders
 J16 Major Burn >29% TBSA with Significant Graft Procedure >49
 J17 Major Burn >29% TBSA with Significant Graft Procedure >18 <50
 J18 Major Burn >29% TBSA with Significant Graft Procedure <19
 J23 Other Burn with Multiple Significant Graft Procedures >49
 J24 Other Burn with Multiple Significant Graft Procedures >18 <50
 J25 Other Burn with Multiple Significant Graft Procedures <19
 J32 Intermediate Skin Procedures
 J33 Minor Skin Procedures - Category 3
 J35 Minor Skin Procedures - Category 2 w/o cc
 J37 Minor Skin Procedures - Category 1 w/o cc
 J44 Minor Dermatological Conditions or Benign Tumours
 J45 Minor Skin Infections
 J46 Total Mastectomy w cc
 J47 Total Mastectomy w/o cc
 J48 Partial/Subtotal Mastectomy w cc
 J49 Partial/Subtotal Mastectomy w/o cc
 J50 Other Major Breast Surgery
 K01 Thyroid Procedures
 K02 Parathyroid Procedures
 K03 Adrenal Procedures
 K04 Anterior Pituitary Disorders
 K10 Inborn Errors of Metabolism
 K12 Diabetes with Hypoglycaemic Emergency <70 w/o cc
 K14 Diabetes with Hyperglycaemic Emergency <70 w/o cc
 L01 Kidney Transplant
 L11 Ureter Open Procedure
 L12 Ureter Major Endoscopic Procedure
 L13 Ureter Intermediate Endoscopic Procedure
 L17 Bladder Major Endoscopic Procedure
 L24 Ureteric or Bladder Disorders
 L26 Bladder Neck Open Procedures Female
 L27 Prostate Transurethral Resection Procedure >69 or w cc

L28 Prostate Transurethral Resection Procedure <70 w/o cc
 L29 Prostate or Bladder Neck Intermediate Endoscopic Procedure (Male and Female)
 L30 Prostate or Bladder Neck Minor Endoscopic Procedure (Male and Female)
 L32 Non-Malignant Prostate Disorders
 L33 Urethra Major Open Procedures
 L34 Urethra Intermediate or Minor Procedures >69 or w cc
 L35 Urethra Intermediate or Minor Procedures <70 w/o cc
 L36 Urethra Disorders
 L37 Penis Major or Intermediate Open Procedures
 L38 Penis Minor Open Procedure > 69 or w cc
 L39 Penis Minor Open Procedure <70 w/o cc
 L40 Penis Disorders
 L41 Vasectomy Procedures
 L42 Scrotum Testis or Vas Deferens Open Procedures >69 or w cc
 L43 Scrotum Testis or Vas Deferens Open Procedures <70 w/o cc
 L44 Scrotum Testis or Vas Deferens Disorders
 L45 Extracorporeal Lithotripsy
 L66 Urethra Major Open Procedure - paediatric
 L69 Urinary Tract Stone Disease
 M01 Lower Genital Tract Minor Procedures
 M02 Lower Genital Tract Intermediate Procedures
 M03 Lower Genital Tract Major Procedures
 M05 Upper Genital Tract Minor Procedures
 M06 Upper Genital Tract Intermediate Procedures
 M07 Upper Genital Tract Major Procedures
 M09 Threatened or Spontaneous Abortion
 M10 Surgical Termination of Pregnancy
 M11 Medical Termination of Pregnancy
 M12 Non-Surgical Treatment of Lower Genital Tract Disorders
 M13 Non-Surgical Treatment of Genital Prolapse or Incontinence
 M14 Non-Surgical Treatment of Fibroids - Menstrual Disorders - or Endometriosis
 M15 Non-Surgical Treatment of Ovary - Tube - or Pelvis Disorders
 M18 Non-Surgical Treatment of Other Gynaecological Conditions
 M19 Gynaecological Radiotherapy
 M98 Chemotherapy with a Female Reproductive System Primary Diagnosis
 N02 Neonates with Multiple Minor Diagnoses
 N03 Neonates with one Minor Diagnosis
 N06 Normal Delivery w cc
 N07 Normal Delivery w/o cc
 N08 Assisted Delivery w cc
 N09 Assisted Delivery w/o cc
 N10 Caesarean Section w cc
 N11 Caesarean Section w/o cc
 N12 Antenatal Admissions not Related to Delivery Event
 P01 Asthma or Wheezing
 P02 Cystic Fibrosis
 P03 Upper Respiratory Tract Disorders
 P06 Minor Infections (including Immune Disorders)
 P07 Neoplasms
 P08 Febrile Convulsions

P11 Endocrine Disorders (excluding Diabetes Mellitus)
 P12 Major Gastrointestinal or Metabolic Disorders
 P13 Other Gastrointestinal or Metabolic Disorders
 P14 Ingestion Poisoning or Allergies
 P15 Accidental Injury without Brain Injury
 P16 Child Welfare and Protection
 P17 Behavioural Disorders
 P18 Developmental Disorders
 P20 Other Congenital Conditions
 P21 Renal Disease
 P22 Renal Disease with Renal Failure
 P23 Blood Cell Disorders
 P24 Skin - Musculoskeletal - or Connective Tissue Disorders
 P26 Infectious and Non-Infectious Gastroenteritis
 P27 Acute Bronchiolitis
 P28 Epilepsy Syndrome
 P29 Diabetes Mellitus
 P98 Chemotherapy with a Disease of Childhood Primary Diagnosis
 Q11 Varicose Vein Procedures
 R01 Minor Spinal Procedures
 R02 Surgery for Prolapsed Intervertebral Disc
 R09 Revisional Spinal Procedures
 R10 Surgery for Scoliosis or Other Spinal Deformity
 R19 Intermediate Spinal Procedures
 R98 Chemotherapy with a Spinal Primary Diagnosis
 S08 Other Haematological or Splenic Disorders w/o cc
 S11 Disorders of Immunity without HIV/AIDS
 S13 Pyrexia of Unknown Origin
 S14 Other Viral Illness
 S22 Planned Procedures Not Carried Out
 S24 Respite Care
 S26 Shock and Anaphylaxis
 S33 Examination - Follow up and Special Screening
 S34 Other Procedures and Health Care Problems
 S36 Diagnostic Extraction of Bone Marrow
 T10 Alcohol or Drugs Non-Dependent Use >18
 T11 Alcohol or Drugs Non-Dependent Use <19
 T12 Alcohol or Drugs Dependency
 T16 Mental Retardation
 T17 Specific Learning Disabilities

Low-mortality CCS groups

174 Female infertility
 184 Early or threatened labour
 188 Fetopelvic disproportion, obstruction
 189 Previous C-section
 192 Umbilical cord complication
 193 Trauma to perineum and vulva
 194 Forceps delivery
 176 Contraceptive and procreative management

185	Prolonged pregnancy
187	Malposition, malpresentation
190	Fetal distress and abnormal forces of labour
191	Polyhydramnios and other problems of amniotic cavity
177	Spontaneous abortion
182	Haemorrhage during pregnancy, abruptio placenta, placenta praevia
178	Induced abortion
180	Ectopic pregnancy
186	Diabetes or abnormal glucose tolerance complicating pregnancy, childbirth, or the puerperium
181	Other complications of pregnancy
124	Acute and chronic tonsillitis
183	Hypertension complicating pregnancy, childbirth and the puerperium
86	Cataract
195	Other complications of birth, puerperium affecting management of mother
136	Disorders of teeth and jaw
169	Endometriosis
92	Otitis media and related conditions
179	Postabortion complications
87	Retinal detachments, defects, vascular occlusion, and retinopathy
10	Immunizations and screening for infectious disease
208	Acquired foot deformities
196	Normal pregnancy and/or delivery
91	Other eye disorders
222	Haemolytic jaundice and perinatal jaundice
46	Benign neoplasm of uterus
88	Glaucoma
218	Liveborn infants
120	Haemorrhoids
200	Other skin disorders
171	Menstrual disorders
167	Nonmalignant breast conditions
175	Other female genital disorders
45	Maintenance chemotherapy, radiotherapy
67	Substance-related mental disorders
170	Prolapse of female genital organs
94	Other ear and sense organ disorders
166	Other male genital disorders
257	Other aftercare
172	Ovarian cyst
61	Sickle cell anaemia
173	Menopausal disorders
9	Sexually transmitted infections (not HIV or hepatitis)
160	Calculus of urinary tract
73	Pre-adult disorders
215	Genitourinary congenital anomalies
225	Joint disorders and dislocations, trauma-related
168	Inflammatory diseases of female pelvic organs
126	Other upper respiratory infections
7	Viral infection
84	Headache, including migraine

57 Immunity disorders
247 Lymphadenitis
142 Appendicitis and other appendiceal conditions
147 Anal and rectal conditions
47 Other and unspecified benign neoplasm
137 Diseases of mouth, excluding dental
119 Varicose veins of lower extremity
253 Allergic reactions
258 Other screening for suspected conditions (not mental disorders or infectious disease)
164 Hyperplasia of prostate
212 Other bone disease and musculoskeletal deformities
209 Other acquired deformities
162 Other diseases of bladder and urethra
202 Rheumatoid arthritis and related disease
93 Conditions associated with dizziness or vertigo
23 Other non-epithelial cancer of skin
102 Nonspecific chest pain
203 Osteoarthritis
256 Medical examination/evaluation
165 Inflammatory conditions of male genital organs
140 Gastritis and duodenitis
90 Inflammation, infection of eye (except that caused by tuberculosis or sexually transmitted disease)
223 Birth trauma
217 Other congenital anomalies
65 Mental retardation
66 Alcohol-related mental disorders
163 Genitourinary symptoms and ill-defined conditions
64 Other haematological conditions
211 Other connective tissue disease
141 Other disorders of stomach and duodenum
242 Poisoning by other medications and drugs
251 Abdominal pain
232 Sprains and strains
220 Intrauterine hypoxia and birth asphyxia
72 Anxiety, somatoform, dissociative, and personality disorders
214 Digestive congenital anomalies
143 Abdominal hernia
236 Open wounds of extremities
138 Oesophageal disorders
128 Asthma
89 Blindness and vision defects
30 Cancer of testis
241 Poisoning by psychotropic agents
198 Other inflammatory condition of skin

Risk adjustment

None.

Decubitus Ulcer (PSI 3)

Numerator

All spells with ICD10 code for decubitus ulcer in any secondary field

ICD10 code

L89 Decubitus Ulcer

Denominator

All surgical and medical spells in patients aged 18 and over, defined by specific HRG codes

See Appendix D: Surgical HRGs

See Appendix E: Medical HRGs

Exclude cases

- With length of stay less than 5 days
- With ICD10 code of decubitus ulcer (see numerator) in the principal diagnosis field
- Any diagnosis of hemiplegia, paraplegia or quadriplegia
- With ICD10 code for spina bifida or anoxic brain damage
- With an OPCS procedure code for debridement or pedicle graft op before or on the same day as the major operating room procedure (surgical cases only)
- Admitted from a long-term care facility
- Transferred from an acute care facility

See appendix F. Exclusions for operating theatre procedure codes

ICD10 Hemiplegia, paraplegia, quadriplegia, spina bifida or anoxic brain damage.

G801 Spastic diplegia
G802 Infantile hemiplegia
G808 Other infantile cerebral palsy
G809 Infantile cerebral palsy, unspecified
G810 Flaccid hemiplegia
G811 Spastic hemiplegia
G819 Hemiplegia, unspecified
G822 Paraplegia, unspecified
G825 Tetraplegia, unspecified
G830 Diplegia of upper limbs
G831 Monoplegia of lower limb
G832 Monoplegia of upper limb
G833 Monoplegia, unspecified
G834 Cauda equina syndrome
G838 Other specified paralytic syndromes

G839 Paralytic syndrome, unspecified
N319 Neuromuscular dysfunction of bladder, unspecified

OPCS4.3 Debridement or pedicle graft op

T778 Other specified excision of muscle
S571 Debridement of skin NEC (includes excision of devitalised skin)
S573 Toilet of skin NEC
S17 + Y703 Distant flap of skin & muscle (first stage of staged operations NOC)
S18 + Y703 Distant flap of skin & fascia (first stage of staged operations NOC)
S19 + Y703 Distant pedicle flap of skin (first stage of staged operations NOC)
S24 + Y703 Local flap of skin & muscle (first stage of staged operations NOC)
S25 + Y703 Local flap of skin & fascia (first stage of staged operations NOC)
S26 + Y703 Local pedicle flap of skin (first stage of staged operations NOC)
S17 + Y713 Distant flap of skin & muscle (Revisional operations NOC)
S18 + Y713 Distant flap of skin & fascia (Revisional operations NOC)
S19 + Y713 Distant pedicle flap of skin (Revisional operations NOC)
S24 + Y713 Local flap of skin & muscle (Revisional operations NOC)
S25 + Y713 Local flap of skin & fascia (Revisional operations NOC)
S26 + Y713 Local pedicle flap of skin (Revisional operations NOC)

Admission source (ADMISORC) indicating long-term care

54 NHS run nursing home, residential care home or group home
85 Non-NHS (other than Local Authority) run residential care home (from 1996-97)
86 Non-NHS (other than Local Authority) run nursing home (from 1996-97)
88 non-NHS (other than Local Authority) run hospice

Transferred from acute care facility

Transfer (ADMIMETH=81 or ADMISORC=50-54 or DISDEST of pre-transfer spell=50-54) plus previous trust is acute plus at most two days between end of previous spell and current spell

Risk adjustment

By age (under-1s, 1-4, 5-9 then five-year bands up to 90+) and sex

Foreign Body Left during Procedure (PSI 5)
This indicator has been dropped due to the case-note audit performed by 18 volunteer trusts showing that confusion over what is a foreign body to be common.

Iatrogenic pneumothorax (PSI 6)
This indicator has been dropped as there is no specific ICD10 code to indicate that the pneumothorax was iatrogenic.

Infections associated with central line (formerly “selected infections due to medical care”, PSI 7)

The code relating to cardiac devices (T827: Infect inflamm reaction due to other cardiac vascular devices, implants and graft) has now been removed as it was considered to be less important and relevant to a different type of patient from those with central lines in place.

Numerator

ICD10 code in secondary diagnosis fields:

T802 Infections following infusion transfusion & therap inject

Denominator

All surgical and medical spells in patients aged 18 and over, defined by specific HRG codes, or pregnancy, childbirth, and puerperium

See Appendix D: Surgical HRGs

See Appendix E: Medical HRGs

Pregnancy, childbirth, and puerperium: defined by the following HRG codes:

N06 Normal Delivery w cc

N07 Normal Delivery w/o cc

N08 Assisted Delivery w cc

N09 Assisted Delivery w/o cc

N10 Caesarean Section w cc

N11 Caesarean Section w/o cc

N12 Antenatal Admissions not Related to Delivery Event

M09 Threatened or Spontaneous Abortion

M10 Surgical Termination of Pregnancy

M11 Medical Termination of Pregnancy

Exclude cases

- With numerator ICD code in the primary diagnosis field
- Length of stay <2 days
- With any code for immunocompromised state or cancer

See Appendix B: Codes for immunocompromised states

See Appendix C: Cancer codes

Risk adjustment

By age (under-1s, 1-4, 5-9 then five-year bands up to 90+) and sex

Post-operative hip fracture (PSI 8)
<p>Numerator</p> <p>Hip fracture codes in any secondary diagnosis field</p> <p>ICD codes</p> <p>S720 Fracture of neck of femur S721 Pertrochanteric fracture S722 Subtrochanteric fracture</p>
<p>Denominator</p> <p>All surgical discharges age 18 and older defined by specific HRGs and an OPCS code for an operating room procedure</p> <p>See Appendix D: Surgical HRGs See Appendix F. Exclusions for operating theatre procedure codes</p>
<p>Exclude cases</p> <ul style="list-style-type: none"> • Hip fracture codes in the primary diagnosis field • where the only operating room procedure is hip fracture repair • where a procedure for hip fracture repair occurs before or on the same day as the first operating room procedure • with diseases and disorders of the musculoskeletal system and connective tissue in the primary diagnosis field • with primary diagnosis codes for seizure, syncope, stroke, coma, cardiac arrest, poisoning, trauma, delirium and other psychoses, or anoxic brain injury • with any diagnosis of metastatic cancer, lymphoid malignancy or bone malignancy, or self-inflicted injury <p>Hip fracture repair OPCS codes</p> <p>W281+ Z76 Application of internal fixation to bone NEC + Z76 Femur W241 W241 - Closed reduction of intracapsular fracture of neck of femur & fixation using nail or screw, W242 + Z76 Closed reduction of fracture of long bone and rigid internal fixation NEC, W243 + Z76 Closed reduction of fracture of long bone & flexible internal fixation NEC, W248 + Z76 Other specified closed reduction of fracture of bone & internal fixation, W249 + Z76 Unspecified closed reduction of fracture of bone & internal fixation W221 Primary open reduction of fracture of bone & skeletal traction HFQ, W222 + Z76 Primary open reduction of fracture of bone & external fixation HFQ, W228 + Z76 other specified other primary open reduction of fraction of bone & W229 + Z76 unspecified W191 Primary open reduction of fracture of head of neck of femur & open reduction using pin & plate (includes dynamic hip screw DHS), W192 + Z76 Primary open reduction of fracture of long bone & fixation using rigid</p>

nail NEC,

W193 + Z76 Primary open reduction of fracture of long bone & fixation using flexible nail -

W201 + Z76 Primary open reduction of fracture of long bone & extramedullary fixation using plate NEC,

W202 + Z76 Primary open reduction of fracture of long bone & extramedullary fixation using circlage &

W204 + Z76 Primary open reduction of fracture of long bone & complex extramedullary fixation NEC

W371 Primary total prosthetic replacement of hip joint using cement

W381 Primary total prosthetic replacement of hip joint not using cement

W391 Primary total prosthetic replacement of hip joint NEC

W461 Primary prosthetic replacement of head of femur using cement - (includes primary prosthetic hemiarthroplasty of head of femur)

W471 Primary prosthetic replacement of head of femur not using cement - (includes primary prosthetic hemiarthroplasty of head of femur)

W481 Primary prosthetic replacement of head of femur NEC - (includes primary prosthetic hemiarthroplasty of head of femur)

Diseases and disorders of the musculoskeletal system and connective tissue

ICD M and O chapters

Primary diagnosis codes for seizure, syncope, stroke, coma, cardiac arrest, poisoning, trauma, delirium and other psychoses, or anoxic brain injury

See Appendix A: Trauma diagnosis codes

Seizure or syncope ICD codes

G411 Petit mal status epilepticus

G410 Grand mal status epilepticus

G403 Generalized idiopathic epilepsy and epileptic syndromes

G403 Generalized idiopathic epilepsy and epileptic syndromes

G403 Generalized idiopathic epilepsy and epileptic syndromes

G403 Generalized idiopathic epilepsy and epileptic syndromes

G412 Complex partial status epilepticus

G412 Complex partial status epilepticus

G401 Locl-rel(foc)part)symp epilep/ epilptic syn simple part seiz

G401 Locl-rel(foc)part)symp epilep/ epilptic syn simple part seiz

G404 Other generalized epilepsy and epileptic syndromes

G405 Special epileptic syndromes

G405 Special epileptic syndromes

G408 Other epilepsy

G409 Epilepsy, unspecified

G409 Epilepsy, unspecified

R560 Febrile convulsions

R568 Other and unspecified convulsions

R55 Syncope and collapse

Stroke ICD codes

I609 Subarachnoid haemorrhage, unspecified

I619	Intracerebral haemorrhage, unspecified
I621	Nontraumatic extradural haemorrhage
I620	Subdural haemorrhage (acute)(nontraumatic)
I629	Intracranial haemorrhage (nontraumatic), unspecified
I64	Stroke, not specified as haemorrhage or infarction
G978	Other postprocedural disorders of nervous system
Coma, cardiac arrest ICD codes	
E100	Insulin-dependent diabetes mellitus with coma
E110	Non-insulin-dependent diabetes mellitus with coma
E15	Nondiabetic hypoglycaemic coma
I469	Cardiac arrest, unspecified
K729	Hepatic failure, unspecified
R401	Stupor
R402	Coma, unspecified
Poisoning ICD codes	
T360	Poisoning by Penicillins
T361	Poisoning by Cefalosporins and other -lactam antibiotics
T362	Poisoning by Chloramphenicol group
T363	Poisoning by Macrolides
T364	Poisoning by Tetracyclines
T367	Poisoning by antifungal antibiotics, systemically used
T368	Poisoning by other systemic antibiotics
T369	Poisoning by systemic antibiotic, unspecified
T370	Poisoning by Sulfonamides
T371	Poisoning by antimycobacterial drugs
T372	Poisoning by antimalarials & drugs act on oth blood protozoa
T373	Poisoning by other antiprotozoal drugs
T374	Poisoning by anthelmintics
T375	Poisoning by antiviral drugs
T378	Poisoning by oth spec systemic anti-infects & antiparasitics
T379	Poisoning by systemic anti-infect & antiparasit, unsp
T380	Poisoning by glucocorticoids and synthetic analogues
T381	Poisoning by thyroid hormones and substitutes
T382	Poisoning by antithyroid drugs
T383	Poisoning by insulin & oral hypoglycaemic [antidiabet] drugs
T384	Poisoning by oral contraceptives
T387	Poisoning by androgens and anabolic congeners
T388	Poisoning by oth & unsp hormones & their synthetic substits
T389	Poisoning by other and unspecified hormone antagonists
T390	Poisoning by Salicylates
T391	Poisoning by 4-Aminophenol derivatives
T392	Poisoning by Pyrazolone derivatives
T394	Poisoning by antirheumatics, not elsewhere classified
T398	Poisoning by other nonopioid analgesics and antipyretics NEC
T399	Poisoning by nonopioid analges,antipyretic & antirheum unsp
T400	Poisoning by Opium
T401	Poisoning by Heroin
T403	Poisoning by Methadone
T404	Poisoning by other synthetic narcotics

T407	Poisoning by Cannabis (derivatives)
T410	Poisoning by inhaled anaesthetics
T411	Poisoning by intravenous anaesthetics
T412	Poisoning by other and unspecified general anaesthetics
T413	Poisoning by local anaesthetics
T420	Poisoning by Hydantoin derivatives
T422	Poisoning by Succinimides and oxazolidinediones
T423	Poisoning by Barbiturates
T424	Poisoning by Benzodiazepines
T426	Poisoning by other antiepileptic and sedative-hypnotic drugs
T427	Poisoning by antiepileptic and sedative-hypnotic drugs, unsp
T428	Poisoning by antipark drug & oth cent muscle-tone depressant
T430	Poisoning by tricyclic and tetracyclic antidepressants
T433	Poisoning by Phenothiazine antipsychotics and neuroleptics
T434	Poisoning by Butyrophenone and thioxanthene neuroleptics
T435	Poisoning by other & unsp antipsychotics & neuroleptics
T436	Poisoning by psychostimulants with abuse potential
T439	Psychotropic drug, unspecified
T441	Poisoning by other parasympathomimetics [cholinergics]
T442	Poisoning by ganglionic blocking drugs, NEC
T443	Pois oth parasympatholy [antichol&antimusc] spasmolyts NEC
T448	Poisoning by centrally act & adrenergic-neuron-block ags NEC
T449	Poisoning by oth unsp drugs prim affect autonom nervous sys
T450	Poisoning by antiallergic and antiemetic drugs
T451	Poisoning by antineoplastic and immunosuppressive drugs
T452	Poisoning by vitamins, not elsewhere classified
T453	Poisoning by enzymes, not elsewhere classified
T454	Poisoning by iron and its compounds
T455	Poisoning by anticoagulants
T456	Poisoning by fibrinolysis-affecting drugs
T457	Poisoning by anticoagulant antagons, vit K & oth coagulants
T458	Poisoning by oth prim systemic & haematological agents
T459	Poisoning by primarily systemic & haematological agent, unsp
T460	Poisoning by cardiac-stim glycosides & drugs of sim action
T462	Poisoning by other antidysrhythmic drugs, NEC
T463	Poisoning by coronary vasodilators, NEC
T465	Poisoning by other antihypertensive drugs, NEC
T466	Poisoning by antihyperlipidaemic & antiarteriosclerotic drug
T468	Poisoning by antivaricose drugs, incl sclerosing agents
T469	Poisoning by oth & unsp agent prim affect cardiovasc sys
T471	Poisoning by oth antacids & anti-gastric-secretion drugs
T472	Poisoning by stimulant laxatives
T474	Poisoning by other laxatives
T475	Poisoning by digestants
T476	Poisoning by antidiarrhoeal drugs
T477	Poisoning by emetics
T478	Poisoning by oth agents prim affect gastrointest sys
T479	Poisoning by agent primarily affect gastrointest sys unsp
T480	Poisoning by oxytocic drugs
T481	Poisoning by skel musc relaxs [neuromuscular blocking agent]
T482	Poisoning by oth & unsp agents primarily acting on muscles

T483	Poisoning by antitussives
T484	Poisoning by expectorants
T485	Poisoning by anti-common-cold drugs
T486	Poisoning by antiasthmatics, not elsewhere classified
T487	Poisoning by oth & unsp agents prim acting on the resp sys
T490	Poisoning by local antifung anti-infec & anti-inflam drg NEC
T491	Poisoning by topical agent antipruritics
T492	Poisoning by local astringents and local detergents
T493	Poisoning by topical emollients, demulcents and protectants
T494	Poison top keratolyts keratoplasts ot hair treat drgs & preps
T495	Poisoning by topical ophthalmological drugs and preparations
T496	Poisoning by topical otorhinolaryngological drugs and preps
T497	Poisoning by dental drugs, topically applied
T498	Poisoning by other topical agents
T499	Poisoning by topical agent, unspecified
T502	Poison by carbonic-anhydrase inhibs benzothiadiaz oth diuret
T503	Electrolytic, caloric and water-balance ags
T504	Poisoning by drugs affecting uric acid metabolism
T506	Poisoning by antidotes and chelating agents, NEC
T507	Poisoning by analeptics and opioid receptor antagonists
T509	Poisoning by oth & unsp drugs medicaments & biological subs
T568	Toxic effect of other metals
X400	Occurrence at home
X401	Occurrence in residential institution
X402	Occurrence at school other instit'n/pub admin area
X403	Occurrence at sports/athletics area
X404	Occurrence on street/highway
X406	Occurrence at industrial/construction area
X407	Occurrence on farm
X408	Occurrence at other specified place
X409	Occurrence at unspecified place
X410	Occurrence at home
X411	Occurrence in residential institution
X412	Occurrence at school other instit'n/pub admin area
X413	Occurrence at sports/athletics area
X414	Occurrence on street/highway
X416	Occurrence at industrial/construction area
X417	Occurrence on farm
X418	Occurrence at other specified place
X419	Occurrence at unspecified place
X420	Occurrence at home
X421	Occurrence in residential institution
X422	Occurrence at school other instit'n/pub admin area
X423	Occurrence at sports/athletics area
X424	Occurrence on street/highway
X426	Occurrence at industrial/construction area
X427	Occurrence on farm
X428	Occurrence at other specified place
X429	Occurrence at unspecified place
X430	Occurrence at home
X431	Occurrence in residential institution

X432	Occurrence at school other instit'n/pub admin area
X433	Occurrence at sports/athletics area
X434	Occurrence on street/highway
X436	Occurrence at industrial/construction area
X437	Occurrence on farm
X438	Occurrence at other specified place
X439	Occurrence at unspecified place
X440	Occurrence at home
X441	Occurrence in residential institution
X442	Occurrence at school other instit'n/pub admin area
X443	Occurrence at sports/athletics area
X444	Occurrence on street/highway
X446	Occurrence at industrial/construction area
X447	Occurrence on farm
X448	Occurrence at other specified place
X449	Occurrence at unspecified place
X450	Occurrence at home
X451	Occurrence in residential institution
X452	Occurrence at school other instit'n/pub admin area
X453	Occurrence at sports/athletics area
X454	Occurrence on street/highway
X456	Occurrence at industrial/construction area
X457	Occurrence on farm
X458	Occurrence at other specified place
X459	Occurrence at unspecified place
X460	Occurrence at home
X461	Occurrence in residential institution
X462	Occurrence at school other instit'n/pub admin area
X463	Occurrence at sports/athletics area
X464	Occurrence on street/highway
X466	Occurrence at industrial/construction area
X467	Occurrence on farm
X468	Occurrence at other specified place
X469	Occurrence at unspecified place
X470	Occurrence at home
X471	Occurrence in residential institution
X472	Occurrence at school other instit'n/pub admin area
X473	Occurrence at sports/athletics area
X474	Occurrence on street/highway
X476	Occurrence at industrial/construction area
X477	Occurrence on farm
X478	Occurrence at other specified place
X479	Occurrence at unspecified place
X480	Occurrence at home
X481	Occurrence in residential institution
X482	Occurrence at school other instit'n/pub admin area
X483	Occurrence at sports/athletics area
X484	Occurrence on street/highway
X486	Occurrence at industrial/construction area
X487	Occurrence on farm
X488	Occurrence at other specified place

X489	Occurrence at unspecified place
X490	Occurrence at home
X491	Occurrence in residential institution
X492	Occurrence at school other instit'n/pub admin area
X493	Occurrence at sports/athletics area
X494	Occurrence on street/highway
X496	Occurrence at industrial/construction area
X497	Occurrence on farm
X498	Occurrence at other specified place
X499	Occurrence at unspecified place
X660	Occurrence at home
X661	Occurrence in residential institution
X662	Occurrence at school other instit'n/pub admin area
X663	Occurrence at sports/athletics area
X664	Occurrence on street/highway
X666	Occurrence at industrial/construction area
X667	Occurrence on farm
X668	Occurrence at other specified place
X669	Occurrence at unspecified place
X670	Occurrence at home
X671	Occurrence in residential institution
X672	Occurrence at school other instit'n/pub admin area
X673	Occurrence at sports/athletics area
X674	Occurrence on street/highway
X676	Occurrence at industrial/construction area
X677	Occurrence on farm
X678	Occurrence at other specified place
X679	Occurrence at unspecified place
X851	Occurrence in residential institution
X852	Occurrence at school other instit'n/pub admin area
X853	Occurrence at sports/athletics area
X854	Occurrence on street/highway
X856	Occurrence at industrial/construction area
X857	Occurrence on farm
X858	Occurrence at other specified place
X859	Occurrence at unspecified place
X880	Occurrence at home
X881	Occurrence in residential institution
X882	Occurrence at school other instit'n/pub admin area
X883	Occurrence at sports/athletics area
X884	Occurrence on street/highway
X886	Occurrence at industrial/construction area
X887	Occurrence on farm
X888	Occurrence at other specified place
X889	Occurrence at unspecified place
X890	Occurrence at home
X891	Occurrence in residential institution
X892	Occurrence at school other instit'n/pub admin area
X893	Occurrence at sports/athletics area
X894	Occurrence on street/highway
X896	Occurrence at industrial/construction area

X897	Occurrence on farm
X898	Occurrence at other specified place
X899	Occurrence at unspecified place
X900	Occurrence at home
X901	Occurrence in residential institution
X902	Occurrence at school other instit'n/pub admin area
X903	Occurrence at sports/athletics area
X904	Occurrence on street/highway
X906	Occurrence at industrial/construction area
X907	Occurrence on farm
X908	Occurrence at other specified place
X909	Occurrence at unspecified place
Y100	Occurrence at home
Y101	Occurrence in residential institution
Y102	Occurrence at school other instit'n/pub admin area
Y103	Occurrence at sports/athletics area
Y104	Occurrence on street/highway
Y106	Occurrence at industrial/construction area
Y107	Occurrence on farm
Y108	Occurrence at other specified place
Y109	Occurrence at unspecified place
Y110	Occurrence at home
Y111	Occurrence in residential institution
Y112	Occurrence at school other instit'n/pub admin area
Y113	Occurrence at sports/athletics area
Y114	Occurrence on street/highway
Y116	Occurrence at industrial/construction area
Y117	Occurrence on farm
Y118	Occurrence at other specified place
Y119	Occurrence at unspecified place
Y140	Occurrence at home
Y141	Occurrence in residential institution
Y142	Occurrence at school other instit'n/pub admin area
Y143	Occurrence at sports/athletics area
Y144	Occurrence on street/highway
Y146	Occurrence at industrial/construction area
Y147	Occurrence on farm
Y148	Occurrence at other specified place
Y149	Occurrence at unspecified place
Y160	Occurrence at home
Y161	Occurrence in residential institution
Y162	Occurrence at school other instit'n/pub admin area
Y163	Occurrence at sports/athletics area
Y164	Occurrence on street/highway
Y166	Occurrence at industrial/construction area
Y167	Occurrence on farm
Y168	Occurrence at other specified place
Y169	Occurrence at unspecified place
Y170	Occurrence at home
Y171	Occurrence in residential institution
Y172	Occurrence at school other instit'n/pub admin area

Y173	Occurrence at sports/athletics area
Y174	Occurrence on street/highway
Y176	Occurrence at industrial/construction area
Y177	Occurrence on farm
Y178	Occurrence at other specified place
Y179	Occurrence at unspecified place
Y180	Occurrence at home
Y181	Occurrence in residential institution
Y182	Occurrence at school other instit'n/pub admin area
Y183	Occurrence at sports/athletics area
Y184	Occurrence on street/highway
Y186	Occurrence at industrial/construction area
Y187	Occurrence on farm
Y188	Occurrence at other specified place
Y189	Occurrence at unspecified place
Y190	Occurrence at home
Y191	Occurrence in residential institution
Y192	Occurrence at school other instit'n/pub admin area
Y193	Occurrence at sports/athletics area
Y194	Occurrence on street/highway
Y196	Occurrence at industrial/construction area
Y197	Occurrence on farm
Y198	Occurrence at other specified place
Y199	Occurrence at unspecified place

Delirium and Other Psychoses ICD codes

F018	Other vascular dementia
F028	Dementia in other specified diseases classified elsewhere
F03	Unspecified dementia
F04	Organic amnesic synd not induced alc/oth psychoactive subs
F050	Delirium not superimposed on dementia, so described
F051	Delirium superimposed on dementia
F058	Other delirium
F059	Delirium, unspecified
F060	Organic hallucinosis
F062	Organic delusional [schizophrenia-like] disorder
F063	Organic mood [affective] disorders
F068	Oth sp mental disord brain damag and dysfunction/physical d
F069	Unsp mental disord brain damag and dysfunction/physical d
F100	Mental & behav dis due to use of alcohol: acute intoxication
F104	Men & behav dis due alcohol: withdrawl state with delirium
F105	Mental & behav dis due to use of alcohol: psychotic disorder
F106	Mental and behav dis due to use of alcohol: amnesic syndrome
F107	Men & behav dis due use alc: resid & late-onset psychot dis
F193	Men & behav dis multiple/psychoact drug: withdrawl state
F195	Men & behav dis multiple/psychoact drug: psychotic disorder
F196	Men & behav dis multiple/psychoact drug: amnesic syndrome
F197	Men & behav dis multiple/psychoact drug: res & late-ons psy
F198	Men & behav dis multiple/psychoact drug: oth men & behav dis
F199	Men & behav dis multiple/psychoact drug: unsp men & behav di
F200	Paranoid schizophrenia

F201	Hebephrenic schizophrenia
F202	Catatonic schizophrenia
F205	Residual schizophrenia
F206	Simple schizophrenia
F208	Other schizophrenia
F209	Schizophrenia, unspecified
F21	Schizotypal disorder
F22	Persistent delusional disorders
F232	Acute schizophrenia-like psychotic disorder
F233	Other acute predominantly delusional psychotic disorders
F238	Other acute and transient psychotic disorders
F258	Other schizoaffective disorders
F259	Schizoaffective disorder, unspecified
F29	Unspecified nonorganic psychosis
F301	Mania without psychotic symptoms
F302	Mania with psychotic symptoms
F308	Other manic episodes
F309	Manic episode, unspecified
F310	Bipolar affective disorder, current episode hypomanic
F311	Bipolar affect disorder cur epi manic without psychotic symp
F312	Bipolar affect disorder cur epi manic with psychotic symp
F313	Bipolar affect disorder cur epi mild or moderate depression
F314	Bipolar affect disorder cur epi sev depres without psyc symp
F315	Bipolar affect disorder cur epi severe depres with psyc symp
F316	Bipolar affective disorder, current episode mixed
F317	Bipolar affective disorder, currently in remission
F319	Bipolar affective disorder, unspecified
F320	Mild depressive episode
F321	Moderate depressive episode
F322	Severe depressive episode without psychotic symptoms
F323	Severe depressive episode with psychotic symptoms
F328	Other depressive episodes
F330	Recurrent depressive disorder, current episode mild
F331	Recurrent depressive disorder, current episode moderate
F332	Recurrent depress disorder cur epi severe without psyc symp
F333	Recurrent depress disorder cur epi severe with psyc symp
F334	Recurrent depressive disorder, currently in remission
F339	Recurrent depressive disorder, unspecified
F388	Other specified mood [affective] disorders
F39	Unspecified mood [affective] disorder
F448	Other dissociative [conversion] disorders
F840	Childhood autism
F843	Other childhood disintegrative disorder
F848	Other pervasive developmental disorders
F849	Pervasive developmental disorder, unspecified

Anoxic Brain Injury ICD codes

G931 Anoxic brain damage, not elsewhere classified

Any diagnosis of metastatic cancer, lymphoid malignancy or bone malignancy, or self-inflicted injury ICD codes

Metastatic cancer

C770	Sec & uns malig neoplasm of lymph nodes of head, face & neck
C771	Sec & uns malignant neoplasm of intrathoracic lymph nodes
C772	Sec & uns malignant neoplasm of intra-abdominal lymph nodes
C773	Sec & uns malig neoplasm of axillary & upp limb lymph nodes
C774	Sec & uns malig neoplasm of inguinal & low limb lymph nodes
C775	Sec & uns malignant neoplasm of intrapelvic lymph nodes
C778	Sec & uns malig neoplasm of lymph nodes of multiple regions
C779	Sec & uns malignant neoplasm of lymph node, unspecified
C780	Secondary malignant neoplasm of lung
C781	Secondary malignant neoplasm of mediastinum
C782	Secondary malignant neoplasm of pleura
C783	Secondary malignant neoplasm of oth & unsp respiratory orgs
C784	Secondary malignant neoplasm of small intestine
C785	Secondary malignant neoplasm of large intest & rectum
C786	Secondary malignant neoplasm of retroperitoneum & peritoneum
C787	Secondary malignant neoplasm of liver
C788	Secondary malignant neoplasm of other & unsp digestive orgs
C80	Malignant neoplasm without specification of site

Lymphoid malignancy

C810	Hodgkin's disease, lymphocytic predominance
C811	Hodgkin's disease, nodular sclerosis
C812	Hodgkin's disease, mixed cellularity
C813	Hodgkin's disease, lymphocytic depletion
C817	Hodgkin's disease, other Hodgkin's disease
C819	Hodgkin's disease, Hodgkin's disease, unspecified
C822	Follicular non-Hodgkin's large cell lymphoma
C830	Diffuse non-Hodgkin's small cell (diffuse) lymphoma
C833	Diffuse non-Hodgkin's large cell (diffuse) lymphoma
C837	Diffuse non-Hodgkin's lymphoma, Burkitt's tumour
C840	Peripheral and cutaneous T-cell lymphomas, mycosis fungoides
C841	Peripheral and cutaneous T-cell lymphomas, Sezary's disease
C845	Periph & cutan T-cell lymphomas, oth & unsp T-cell lymphomas
C859	Non-Hodgkin's lymphoma, unspecified type
C887	Other malignant immunoproliferative diseases
C900	Multiple myeloma
C901	Plasma cell leukaemia
C910	Acute lymphoblastic leukaemia
C911	Chronic lymphocytic leukaemia
C912	Subacute lymphocytic leukaemia
C914	Hairy-cell leukaemia
C917	Other lymphoid leukaemia
C919	Lymphoid leukaemia, unspecified
C920	Acute myeloid leukaemia
C921	Chronic myeloid leukaemia
C922	Subacute myeloid leukaemia
C923	Myeloid sarcoma
C927	Other myeloid leukaemia
C929	Myeloid leukaemia, unspecified

C930	Acute monocytic leukaemia
C931	Chronic monocytic leukaemia
C932	Subacute monocytic leukaemia
C937	Other monocytic leukaemia
C939	Monocytic leukaemia, unspecified
C940	Acute erythraemia & erythroleukaemia
C941	Chronic erythraemia
C942	Acute megakaryoblastic leukaemia
C947	Other specified leukaemias
C950	Acute leukaemia of unsp cell type
C951	Chronic leukaemia unsp cell type
C952	Subacute leukaemia unsp cell type
C957	Other leukaemia unspecified cell type
C959	Leukaemia, unspecified
C960	Letterer-Siwe disease
C961	Malignant histiocytosis
C962	Malignant mast cell tumour
C967	Oth spec malig neop lymphoid h'poietic & related tissue

Bone malignancy

C400	Malignant neoplasm of scapula and long bones of upper limb
C401	Malignant neoplasm of short bones of upper limb
C402	Malignant neoplasm of long bones of lower limb
C403	Malignant neoplasm of short bones of lower limb
C409	Malignant neoplasm of bone and artic cart of limb, unsp
C410	Malignant neoplasm of bones of skull and face
C411	Malignant neoplasm of mandible
C412	Malignant neoplasm of vertebral column
C413	Malignant neoplasm of ribs, sternum and clavicle
C414	Malignant neoplasm of sacrum and coccyx

Risk adjustment

By age (under-1s, 1-4, 5-9 then five-year bands up to 90+) and sex

Post-operative pulmonary embolism or deep vein thrombosis (PSI 12)

Numerator

PE or DVT codes in any secondary diagnosis field

ICD10 codes

I260 Pulmonary embolism with mention of acute cor pulmonale
I269 Pulmonary embolism without mention of acute cor pulmonale
I801 Phlebitis and thrombophlebitis of femoral vein
I802 Phlebitis/thrombophlebitis of other deep vessels low extremities
I803 Phlebitis and thrombophlebitis of lower extremities, unspec
I808 Phlebitis and thrombophlebitis of other sites
I809 Phlebitis and thrombophlebitis of unspecified site
I828 Embolism and thrombosis of other specified veins
I829 Embolism and thrombosis of unspecified vein

Denominator

All surgical discharges age 18 and older defined by specific HRGs and an OPCS code for an operating room procedure

See Appendix D: Surgical HRGs

See Appendix F. Exclusions for operating theatre procedure codes

Exclude cases

- DVT or PE ICD10 codes in the primary diagnosis field
- If any of the following OPCS codes is the only OR procedure or is performed on the same day or before the first OR procedure:

L791 Insertion of filter into vena cava

L792 Plication of vena cava

L798 Other specified operations on vena cava

- Pregnancy, childbirth, and puerperium: defined by the following HRG codes:

N06 Normal Delivery w cc

N07 Normal Delivery w/o cc

N08 Assisted Delivery w cc

N09 Assisted Delivery w/o cc

N10 Caesarean Section w cc

N11 Caesarean Section w/o cc

N12 Antenatal Admissions not Related to Delivery Event

M09 Threatened or Spontaneous Abortion

M10 Surgical Termination of Pregnancy

M11 Medical Termination of Pregnancy

Risk adjustment

By age (under-1s, 1-4, 5-9 then five-year bands up to 90+) and sex

Post-operative sepsis (PSI 13)

Numerator

Sepsis codes in any secondary diagnosis field

ICD codes

A40 Streptococcal septicaemia

A41 Other septicaemia

T826 Infection and inflammatory reaction due to cardiac valve prosthesis

T827 Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts

T835 Infection and inflammatory reaction due to prosthetic device, implant and graft in urinary system

T836 Infection and inflammatory reaction due to prosthetic device, implant and graft in genital tract

T845 Infection and inflammatory reaction due to internal joint prosthesis

T846 Infection and inflammatory reaction due to internal fixation device [any site]

T847 Infection and inflammatory reaction due to other internal orthopaedic prosthetic devices, implants and grafts

T857 Infection and inflammatory reaction due to other internal prosthetic devices, implants and grafts

T811 Shock during or resulting from a procedure, not elsewhere classified

Denominator

All elective (ADMIMETH=11-13) surgical discharges age 18 and older defined by specific HRGs and an OPCS code for an operating room procedure

See Appendix D: Surgical HRGs

See Appendix F. Exclusions for operating theatre procedure codes

Exclude cases

- with sepsis codes in the primary diagnosis field
- with a principal diagnosis of infection, or any code for immunocompromised state, or cancer
- pregnancy, childbirth, and puerperium
- LOS < 4 days

See Appendix B: Codes for immunocompromised states

See Appendix C: Cancer codes

See Appendix G: Infection codes

Pregnancy, childbirth, and puerperium: defined by primary diagnosis using O chapter

Risk adjustment

By age (under-1s, 1-4, 5-9 then five-year bands up to 90+) and sex

Obstetric tears (formerly “obstetric trauma”) – vaginal delivery with instrument (PSI 18)

Numerator

Discharges with ICD codes for 3rd and 4th degree obstetric trauma in any diagnosis field or OPCS codes for repair of obstetric trauma in any procedure field.

ICD codes

- O702 Third degree perineal laceration during delivery
- O703 Fourth degree perineal laceration during delivery
- O713 Obstetric laceration of cervix
- O714 Obstetric high laceration alone
- O715 Other obstetric injury to pelvic organs

OPCS codes

- R321 Immediate repair of obstetric laceration of uterus or cervix uteri
- R328 + Z421 (Z421 relates to the bladder)
- R322 Immediate repair of obstetric laceration of perineum and sphincter of anus

Denominator

Instrumental delivery codes in any procedure field

OPCS codes

- R21 forceps cephalic delivery
- R22 vacuum delivery

No exclusions

Risk adjustment

By age (under-1s, 1-4, 5-9 then five-year bands up to 90+).

Obstetric tears (formerly “obstetric trauma”) – vaginal delivery without instrument (PSI 19)

Numerator

Discharges with ICD codes for 3rd and 4th degree obstetric trauma in any diagnosis field or OPCS codes for repair of obstetric trauma in any procedure field.

ICD codes

- O702 Third degree perineal laceration during delivery
- O703 Fourth degree perineal laceration during delivery
- O713 Obstetric laceration of cervix
- O714 Obstetric high laceration alone
- O715 Other obstetric injury to pelvic organs

OPCS codes

- R321 Immediate repair of obstetric laceration of uterus or cervix uteri
- R328 + Z421 (Z421 relates to the bladder)
- R322 Immediate repair of obstetric laceration of perineum and sphincter of anus

Denominator

Normal delivery or delivery without instrument codes in any procedure field

OPCS codes

- R23 cephalic vaginal delivery with abn presentation of head without instrument
- R24 normal delivery

No exclusions

Risk adjustment

By age (under-1s, 1-4, 5-9 then five-year bands up to 90+)

Obstetric tears (formerly “obstetric trauma”) – caesarean section (PSI 20)

Numerator

Discharges with ICD codes for 3rd and 4th degree obstetric trauma in any diagnosis field or OPCS codes for repair of obstetric trauma in any procedure field.

ICD codes

- O702 Third degree perineal laceration during delivery
- O703 Fourth degree perineal laceration during delivery
- O713 Obstetric laceration of cervix
- O714 Obstetric high laceration alone
- O715 Other obstetric injury to pelvic organs

OPCS codes

- R321 Immediate repair of obstetric laceration of uterus or cervix uteri
- R328 + Z421 (Z421 relates to the bladder)
- R322 Immediate repair of obstetric laceration of perineum and sphincter of anus

Denominator

Caesarean section codes in any procedure field

OPCS codes

- R17 elective CS
- R18 non-elective CS
- R251 Caesarean hysterectomy

No exclusions

Risk adjustment

None.

Appendix A Trauma diagnosis codes

Used in PSIS 2, 4 and 8

S011	Open wound of eyelid and periorcular area
S020	Fracture of vault of skull
S021	Fracture of base of skull
S022	Fracture of nasal bones
S023	Fracture of orbital floor
S024	Fracture of malar and maxillary bones
S026	Fracture of mandible
S027	Multiple fractures involving skull and facial bones
S028	Fractures of other skull and facial bones
S029	Fracture of skull and facial bones, part unspecified
S030	Dislocation of jaw
S052	Ocular lachn and rupture with prolapse or loss intraoc tiss
S053	Ocular lachn without prolapse or loss of intraocular tissue
S054	Penetrating wound of orbit with or without foreign body
S055	Penetrating wound of eyeball with foreign body
S057	Avulsion of eye
S058	Other injuries of eye and orbit
S059	Injury of eye and orbit, part unspecified
S060	Concussion
S062	Diffuse brain injury
S062	Diffuse brain injury
S064	Epidural haemorrhage
S064	Epidural haemorrhage
S065	Traumatic subdural haemorrhage
S066	Traumatic subarachnoid haemorrhage
S068	Other intracranial injuries
S068	Other intracranial injuries
S070	Crushing injury of face
S099	Unspecified injury of head
S120	Fracture of first cervical vertebra
S121	Fracture of second cervical vertebra
S127	Multiple fractures of cervical spine
S128	Fracture of other parts of neck
S129	Fracture of neck, part unspecified
S131	Dislocation of cervical vertebra
S133	Multiple dislocations of neck
S141	Other and unspecified injuries of cervical spinal cord
S142	Injury of nerve root of cervical spine
S143	Injury of brachial plexus
S150	Injury of carotid artery
S152	Injury of external jugular vein
S153	Injury of internal jugular vein
S157	Injury of multiple blood vessels at neck level
S158	Injury of other blood vessels at neck level
S159	Injury of unspecified blood vessel at neck level
S179	Crushing injury of neck, part unspecified

S220 Fracture of thoracic vertebra
 S222 Fracture of sternum
 S223 Fracture of rib
 S224 Multiple fractures of ribs
 S225 Flail chest
 S231 Dislocation of thoracic vertebra
 S241 Other and unspecified injuries of thoracic spinal cord
 S242 Injury of nerve root of thoracic spine
 S250 Injury of thoracic aorta
 S251 Injury of innominate or subclavian artery
 S252 Injury of superior vena cava
 S253 Injury of innominate or subclavian vein
 S254 Injury of pulmonary blood vessels
 S255 Injury of intercostal blood vessels
 S257 Injury of multiple blood vessels of thorax
 S258 Injury of other blood vessels of thorax
 S259 Injury of unspecified blood vessel of thorax
 S268 Other injuries of heart
 S269 Injury of heart, unspecified
 S270 Traumatic pneumothorax
 S271 Traumatic haemothorax
 S272 Traumatic haemopneumothorax
 S273 Other injuries of lung
 S274 Injury of bronchus
 S278 Injury of other specified intrathoracic organs
 S278 Injury of other specified intrathoracic organs
 S279 Injury of unspecified intrathoracic organ
 S320 Fracture of lumbar vertebra
 S321 Fracture of sacrum
 S323 Fracture of ilium
 S324 Fracture of acetabulum
 S325 Fracture of pubis
 S328 Fracture of oth and unspec parts of lumbar spine and pelvis
 S331 Dislocation of lumbar vertebra
 S332 Dislocation of sacroiliac and sacrococcygeal joint
 S341 Other injury of lumbar spinal cord
 S342 Injury of nerve root of lumbar and sacral spine
 S343 Injury of cauda equina
 S344 Injury of lumbosacral plexus
 S350 Injury of abdominal aorta
 S351 Injury of inferior vena cava
 S352 Injury of coeliac or mesenteric artery
 S353 Injury of portal or splenic vein
 S354 Injury of renal blood vessels
 S355 Injury of iliac blood vessels
 S357 Inj multi blood vessels abdomen lower back and pelvis level
 S358 Inj oth blood vessels abdomen lower back and pelvis level
 S359 Inj of unspec blood vessel abdom low back and pelvis level
 S360 Injury of spleen
 S361 Injury of liver or gallbladder
 S362 Injury of pancreas

S363 Injury of stomach
 S364 Injury of small intestine
 S365 Injury of colon
 S366 Injury of rectum
 S368 Injury of other intra-abdominal organs
 S369 Injury of unspecified intra-abdominal organ
 S370 Injury of kidney
 S371 Injury of ureter
 S372 Injury of bladder
 S376 Injury of uterus
 S378 Injury of other pelvic organs
 S379 Injury of unspecified pelvic organ
 S380 Crushing injury of external genital organs
 S381 Crush inj oth and unspec part of abdo lower back and pelvis
 S420 Fracture of clavicle
 S421 Fracture of scapula
 S422 Fracture of upper end of humerus
 S423 Fracture of shaft of humerus
 S424 Fracture of lower end of humerus
 S430 Dislocation of shoulder joint
 S431 Dislocation of acromioclavicular joint
 S432 Dislocation of sternoclavicular joint
 S433 Dislocation of other and unspec parts of shoulder girdle
 S451 Injury of brachial artery
 S452 Injury of axillary or brachial vein
 S47 Crushing injury of shoulder and upper arm
 S520 Fracture of upper end of ulna
 S521 Fracture of upper end of radius
 S522 Fracture of shaft of ulna
 S523 Fracture of shaft of radius
 S524 Fracture of shafts of both ulna and radius
 S525 Fracture of lower end of radius
 S526 Fracture of lower end of both ulna and radius
 S528 Fracture of other parts of forearm
 S529 Fracture of forearm, part unspecified
 S531 Dislocation of elbow, unspecified
 S552 Injury of vein at forearm level
 S570 Crushing injury of elbow
 S579 Crushing injury of forearm, part unspecified
 S580 Traumatic amputation at elbow level
 S581 Traumatic amputation at level between elbow and wrist
 S620 Fracture of navicular [scaphoid] bone of hand
 S621 Fracture of other carpal bone(s)
 S622 Fracture of first metacarpal bone
 S623 Fracture of other metacarpal bone
 S624 Multiple fractures of metacarpal bones
 S628 Fracture of other and unspecified parts of wrist and hand
 S630 Dislocation of wrist
 S631 Dislocation of finger
 S652 Injury of superficial palmar arch
 S655 Injury of blood vessel(s) of other finger

S670 Crushing injury of thumb and other finger(s)
 S678 Crush injury other and unspecified parts of wrist and hand
 S710 Open wound of hip
 S720 Fracture of neck of femur
 S721 Pertrochanteric fracture
 S722 Subtrochanteric fracture
 S723 Fracture of shaft of femur
 S724 Fracture of lower end of femur
 S729 Fracture of femur, part unspecified
 S730 Dislocation of hip
 S750 Injury of femoral artery
 S751 Injury of femoral vein at hip and thigh level
 S752 Injury of greater saphenous vein at hip and thigh level
 S772 Crushing injury of hip with thigh
 S789 Traumatic amputation of hip and thigh, level unspecified
 S810 Open wound of knee
 S820 Fracture of patella
 S821 Fracture of upper end of tibia
 S822 Fracture of shaft of tibia
 S824 Fracture of fibula alone
 S825 Fracture of medial malleolus
 S826 Fracture of lateral malleolus
 S828 Fractures of other parts of lower leg
 S830 Dislocation of patella
 S831 Dislocation of knee
 S832 Tear of meniscus, current
 S833 Tear of articular cartilage of knee, current
 S850 Injury of popliteal artery
 S851 Injury of (anterior)(posterior) tibial artery
 S855 Injury of popliteal vein
 S858 Injury of other blood vessels at lower leg level
 S859 Injury of unspecified blood vessel at lower leg level
 S870 Crushing injury of knee
 S878 Crushing injury of other and unspecified parts of lower leg
 S880 Traumatic amputation at knee level
 S881 Traumatic amputation at level between knee and ankle
 S889 Traumatic amputation of lower leg, level unspecified
 S913 Open wound of other parts of foot
 S920 Fracture of calcaneus
 S921 Fracture of talus
 S922 Fracture of other tarsal bone(s)
 S923 Fracture of metatarsal bone
 S929 Fracture of foot, unspecified
 S930 Dislocation of ankle joint
 S931 Dislocation of toe(s)
 S933 Dislocation of other and unspecified parts of foot
 S951 Injury of plantar artery of foot
 S958 Injury of other blood vessels at ankle and foot level
 S959 Injury of unspecified blood vessel at ankle and foot level
 S970 Crushing injury of ankle
 S971 Crushing injury of toe(s)

S978 Crushing injury of other parts of ankle and foot
 S980 Traumatic amputation of foot at ankle level
 T012 Open wounds involving multiple regions of upper limb(s)
 T021 Fractures involving thorax with lower back and pelvis
 T024 Fractures involving multiple regions of both upper limbs
 T025 Fractures involving multiple regions of both lower limbs
 T039 Multiple dislocations, sprains and strains, unspecified
 T041 Crush inj involv thorax with abdomen lwr back & pelvis
 T042 Crushing injuries involving multiple region of upper limb(s)
 T043 Crushing injuries involving multiple region of lower limb(s)
 T049 Multiple crushing injuries, unspecified
 T052 Traumatic amputation of both arms [any level]
 T053 Traumatic amputation of both feet
 T055 Traumatic amputation of both legs [any level]
 T061 Inj nerves and spinal cord involving oth multi body regions
 T080 Fracture of spine, level unspecified
 T081 Fracture of spine, level unspecified
 T092 Dislocation sprain & strain unspec joint & ligament trunk
 T093 Injury of spinal cord, level unspecified
 T094 inj unspec nerve spinal nerve root & plexus trunk
 T100 Fracture of upper limb, level unspecified
 T101 Fracture of upper limb, level unspecified
 T114 Injury of unspec blood vessel of upper limb level unspec
 T116 Traumatic amputation of upper limb, level unspecified
 T120 Fracture of lower limb, level unspecified
 T121 Fracture of lower limb, level unspecified
 T131 Open wound of lower limb, level unspecified
 T142 Fracture of unspecified body region
 T143 Dislocation, sprain and strain of unspecified body region
 T145 Injury of blood vessel(s) of unspecified body region
 T147 Crush injury and traumatic amputation of unspec body region
 T148 Other injuries of unspecified body region
 T200 Burn of unspecified degree of head and neck
 T201 Burn of first degree of head and neck
 T202 Burn of second degree of head and neck
 T203 Burn of third degree of head and neck
 T210 Burn of unspecified degree of trunk
 T211 Burn of first degree of trunk
 T212 Burn of second degree of trunk
 T213 Burn of third degree of trunk
 T220 Burn unspec degree should and upp limb excpt wrist and hand
 T221 Burn first deg of shoulder and up limb excpt wrist and hand
 T222 Burn sec deg of shoulder and upr limb exc wrist/hand
 T223 Burn third deg shoulder and upper limb excpt wrist and hand
 T230 Burn of unspecified degree of wrist and hand
 T260 Burn of eyelid and periocular area
 T261 Burn of cornea and conjunctival sac
 T262 Burn with resulting rupture and destruction of eyeball
 T264 Burn of eye and adnexa, part unspecified
 T790 Air embolism (traumatic)
 T791 Fat embolism (traumatic)

T792	Traumatic secondary and recurrent haemorrhage
T793	Post-traumatic wound infection, not elsewhere classified
T794	Traumatic shock
T795	Traumatic anuria
T796	Traumatic ischaemia of muscle
T797	Traumatic subcutaneous emphysema
T798	Other early complications of trauma

Appendix B Immunocompromised states

Used in PSIs 2, 4, 7, 13 and 14

B24	Unspecified human immunodeficiency virus [HIV] disease
B59	Pneumocystosis
D70	Agranulocytosis
D71	Functional disorders of polymorphonuclear neutrophils
D720	Genetic anomalies of leukocytes
D800	Hereditary hypogammaglobulinaemia
D801	Nonfamilial hypogammaglobulinaemia
D802	Selective deficiency of immunoglobulin A [IgA]
D803	Selective deficiency of immunoglobulin G [IgG] subclasses
D804	Selective deficiency of immunoglobulin M [IgM]
D805	Immunodeficiency with increased immunoglobulin M [IgM]
D808	Other immunodeficiencies with predominantly antibody defects
D814	Nezelof's syndrome
D819	Combined immunodeficiency, unspecified
D820	Wiskott-Aldrich syndrome
D821	Di George's syndrome
D830	Com var immunodef with predom abn B-cell numb and funct
D831	Common var immunodef predom immunoregulatory T-cell disord
D838	Other common variable immunodeficiencies
D849	immunodeficiency, unspecified
D898	Other specified disorders involving the immune mechanism NEC
D899	Disorder involving the immune mechanism, unspecified
E40	Kwashiorkor
E41	Nutritional marasmus
E43	Unspecified severe protein-energy malnutrition
I120	Hypertensive renal disease with renal failure
I131	Hypertensive heart and renal disease with renal failure
I132	Hyper heart and renal dis both (cong) heart and renal fail
K912	Postsurgical malabsorption, not elsewhere classified
M359	Systemic involvement of connective tissue, unspecified
N18	Chronic renal failure (no exact ICD10 match possible)
T860	Bone-marrow transplant rejection
T861	Kidney transplant failure and rejection
T862	Heart transplant failure and rejection
T864	Liver transplant failure and rejection
T868	Failure and reject of other transplanted organs and tissues
T869	Failure and reject of unspec transplanted organ and tissue
Z452	Adjustment and management of vascular access device
Z491	Extracorporeal dialysis
Z940	Kidney transplant status
Z941	Heart transplant status
Z942	Lung transplant status
Z944	Liver transplant status
Z948	Other transplanted organ and tissue status
Z992	Dependence on renal dialysis

Appendix C Cancer codes

B21	Human immunodeficiency virus disease resulting in malignant neoplasms
Whole C chapter	
D00-D09	Carcinomata-in-situ
M724	Pseudosarcomatous fibromatosis
Z08	Follow-up examination after treatment for malignant neoplasm
Z12	Special screening examination for neoplasms
Z511	Chemotherapy session for neoplasm
Z85	Personal history of malignant neoplasm

Appendix D Surgical HRGs

- A01 Intracranial Procedures Except Trauma - Category 1
- A02 Intracranial Procedures Except Trauma - Category 2
- A03 Intracranial Procedures Except Trauma - Category 3
- A04 Intracranial Procedures Except Trauma - Category 4
- A05 Intracranial Procedures for Trauma w cc
- A06 Intracranial Procedures for Trauma w/o cc
- A07 Intermediate Pain Procedures
- A08 Percutaneous Image Controlled Pain Procedures
- B13 Phakoemulsification Cataract Extraction and Insertion of Lens
- B14 Non Phakoemulsification Cataract Surgery
- B15 Other Lens Surgery Low Complexity
- B16 Oculoplastic Low Complexity
- B17 Oculoplastic Intermediate Complexity
- B18 Oculoplastic High Complexity
- B19 Orbit / Lacrimal Low Complexity
- B20 Orbit / Lacrimal Intermediate Complexity
- B21 Orbit / Lacrimal High Complexity
- B22 Cornea / Sclera Low Complexity
- B23 Cornea / Sclera Intermediate / High Complexity
- B24 Ocular Motility Intermediate Complexity
- B25 Ocular Motility Redo / Adjustable / High Complexity
- B26 Glaucoma / Uvea Low Complexity
- B27 Glaucoma / Uvea Intermediate Complexity
- B28 Glaucoma / Uvea High Complexity
- B29 Surgical Retina Low Complexity
- B30 Surgical Retina Intermediate Complexity
- B31 Surgical Retina High Complexity
- C04 Minor Mouth or Throat Procedures
- C15 Minor Maxillo-facial/ENT procedures
- C21 Intermediate Ear Procedures
- C22 Intermediate Nose Procedures
- C25 Intermediate Maxillo-facial/ENT procedures
- C31 Major Ear Procedures
- C32 Major Nose Procedures
- C35 Major Maxillo-facial/ENT Procedures
- C41 Complex Major Ear Procedures
- C42 Complex Major Nose Procedures
- C45 ENT Complex Major Maxillo-facial Procedures
- C54 Complex Major Mouth or Throat Procedures
- C55 Minor Ear Procedures
- C56 Minor Nose Procedures
- C57 Major Mouth or Throat Procedures
- C58 Intermediate Mouth or Throat Procedures
- C59 Exteriorisation of Trachea
- C60 Cochlea Implants
- D01 Lung Transplant
- D02 Complex Thoracic Procedures
- D03 Major Thoracic Procedures

D04 Intermediate Thoracic Procedures w cc
D05 Intermediate Thoracic Procedures w/o cc
D06 Minor Thoracic Procedures
D07 Fibreoptic Bronchoscopy
D08 Rigid Bronchoscopy
E01 Heart and Lung Transplant
E02 Heart Transplant
E03 Cardiac Valve Procedures
E04 Coronary Bypass
E07 Pacemaker Implant for AMI, Heart Failure or Shock
E08 Pacemaker Implant except for AMI, Heart Failure or Shock
E09 Cardiac Pacemaker Replacement/Revision
E13 Cardiac Catheterisation and Angiography with complications
E14 Cardiac Catheterisation and Angiography without complications
E15 Percutaneous Coronary Intervention
E38 Electrophysiological and other Percutaneous Cardiac Procedures >18
E39 Electrophysiological and other Percutaneous Cardiac Procedures <19
E40 Other Cardiothoracic or Circulatory Procedures >18
E41 Other Cardiothoracic or Circulatory Procedures <19
F01 Oesophagus - Complex Procedures
F02 Oesophagus - Very Major Procedures
F03 Oesophagus - Major Procedures or Prosthesis
F04 Therapeutic endoscopic procedures
F06 Diagnostic Procedures, Oesophagus and Stomach
F12 Stomach or Duodenum Very Major Procedures
F13 Stomach or Duodenum - Major Procedures >69 or w cc
F14 Stomach or Duodenum - Major Procedures <70 or w/o cc
F15 Stomach or Duodenum - Therapeutic Endoscopic or Intermediate Procedures
F21 Small Intestine - Very Major Procedures
F22 Small Intestine - Major Procedures >69 or w cc
F23 Small Intestine - Major Procedures <70 w/o cc
F31 Large Intestine - Complex Procedures
F32 Large Intestine - Very Major Procedures
F33 Large Intestine - Major Procedures w cc
F34 Large Intestine - Major Procedures w/o cc
F35 Large Intestine - Endoscopic or Intermediate Procedures
F41 General Abdominal - Very Major or Major Procedures >69 or w cc
F42 General Abdominal - Very Major or Major Procedures <70 w/o cc
F43 General Abdominal - Endoscopic or Intermediate Procedures >69 or w cc
F44 General Abdominal - Endoscopic or Intermediate Procedures <70 w/o cc
F45 General Abdominal - Diagnostic Procedures
F51 Inflammatory Bowel Disease - Complex Procedures
F52 Inflammatory Bowel Disease - Major Procedures
F53 Inflammatory Bowel Disease - Endoscopic or Intermediate Procedures >69 or w
cc
F54 Inflammatory Bowel Disease - Endoscopic or Intermediate Procedures <70 w/o cc
F61 Gastrointestinal Bleed - Very Major Procedures
F62 Gastrointestinal Bleed - Major or Therapeutic Endoscopic Procedures
F63 Gastrointestinal Bleed - Diagnostic Endoscopic or Intermediate Procedures
F71 Abdominal Hernia Procedures >69 or w cc
F72 Abdominal Hernia Procedures <70 w/o cc

F73 Inguinal Umbilical or Femoral Hernia Repairs >69 or w cc
 F74 Inguinal Umbilical or Femoral Hernia Repairs <70 w/o cc
 F75 Herniotomy Procedures
 F81 Appendectomy Procedures >69 or w cc
 F82 Appendectomy Procedures <70 w/o cc
 F91 Anus - Major Procedures
 F92 Anus - Intermediate Procedures >69 or w cc
 F93 Anus - Intermediate Procedures <70 w/o cc
 F94 Anus - Minor Procedures >69 or w cc
 F95 Anus - Minor Procedures <70 w/o cc
 G01 Liver Transplant
 G02 Liver - Complex Procedures
 G03 Liver - Very Major Procedures
 G04 Liver - Major Procedures >69 or w cc
 G05 Liver - Major Procedures <70 w/o cc
 G11 Biliary Tract - Complex Procedures
 G12 Biliary Tract - Very Major Procedures
 G13 Cholecystectomy >69 or w cc
 G14 Cholecystectomy <70 w/o cc
 G15 Therapeutic Pancreatic or Biliary Procedures
 G16 Diagnostic Pancreatic or Biliary Procedures w cc
 G17 Diagnostic Pancreatic or Biliary Procedures w/o cc
 G21 Pancreas - Complex Procedures
 G22 Pancreas - Very Major Procedures
 G26 Therapeutic Pancreatic or Biliary Procedures with Neoplasms
 G27 Procedures on the Spleen
 H01 Bilateral Primary Hip Replacement
 H03 Bilateral Primary Knee Replacement
 H04 Primary Knee Replacement
 H07 Primary or Revisional Shoulder, Elbow, or Ankle Replacements
 H08 Joint Replacements or Revisions, Site Unspecified
 H09 Anterior Cruciate Ligament Reconstruction
 H10 Arthroscopies
 H11 Foot Procedures - Category 1
 H12 Foot Procedures - Category 2
 H13 Hand Procedures - Category 1
 H14 Hand Procedures - Category 2
 H15 Hand Procedures - Category 3
 H16 Soft Tissue or Other Bone Procedures - Category 1 >69 or w cc
 H17 Soft Tissue or Other Bone Procedures - Category 1 <70 w/o cc
 H18 Soft Tissue or Other Bone Procedures - Category 2 >69 or w cc
 H19 Soft Tissue or Other Bone Procedures - Category 2 <70 w/o cc
 H20 Muscle, Tendon or Ligament Procedures - Category 1
 H21 Muscle, Tendon or Ligament Procedures - Category 2
 H22 Minor Procedures to the Musculoskeletal System
 H29 Congenital Hip Dislocation with Open Procedures
 H47 Traumatic Amputations
 H51 Removal of Fixation Device >69 or w cc
 H52 Removal of Fixation Device <70 w/o cc
 H70 Resurfacing of Hip
 H71 Revisional Procedures to Hips

H72 Revisional Procedures to Knees
 H80 Primary Hip Replacement Cemented
 H81 Primary Hip Replacement Uncemented
 H82 Extracapsular Neck of Femur Fracture with Fixation w cc
 H83 Extracapsular Neck of Femur Fracture with Fixation w/o cc
 H84 Intracapsular Neck of Femur Fracture with Fixation w cc
 H85 Intracapsular Neck of Femur Fracture with Fixation w/o cc
 H86 Neck of Femur Fracture with Hip Replacement w cc
 H87 Neck of Femur Fracture with Hip Replacement w/o cc
 J01 Complex Breast Reconstruction using Flaps
 J04 Intermediate Breast Surgery w cc
 J05 Intermediate Breast Surgery w/o cc
 J06 Minor Breast Surgery w cc
 J07 Minor Breast Surgery w/o cc
 J11 Lymph Dissection Procedures
 J12 Drainage of Ascites
 J13 Major Burn >29% TBSA without Significant Graft Procedure >49
 J14 Major Burn >29% TBSA without Significant Graft Procedure >18 <50
 J15 Major Burn >29% TBSA without Significant Graft Procedure <19
 J16 Major Burn >29% TBSA with Significant Graft Procedure >49
 J17 Major Burn >29% TBSA with Significant Graft Procedure >18 <50
 J18 Major Burn >29% TBSA with Significant Graft Procedure <19
 J20 Other Burn with 1 Significant Graft Procedure >49
 J21 Other Burn with 1 Significant Graft Procedure >18 <50
 J22 Other Burn with 1 Significant Graft Procedure <19
 J23 Other Burn with Multiple Significant Graft Procedures >49
 J24 Other Burn with Multiple Significant Graft Procedures >18 <50
 J25 Other Burn with Multiple Significant Graft Procedures <19
 J29 Major Reconstructive Surgery
 J30 Major Skin Procedures >49 or w cc
 J31 Major Skin Procedures <50 w/o cc
 J32 Intermediate Skin Procedures
 J33 Minor Skin Procedures - Category 3
 J34 Minor Skin Procedures - Category 2 w cc
 J35 Minor Skin Procedures - Category 2 w/o cc
 J36 Minor Skin Procedures - Category 1 w cc
 J37 Minor Skin Procedures - Category 1 w/o cc
 J46 Total Mastectomy w cc
 J47 Total Mastectomy w/o cc
 J48 Partial/Subtotal Mastectomy w cc
 J49 Partial/Subtotal Mastectomy w/o cc
 J50 Other Major Breast Surgery
 K01 Thyroid Procedures
 K02 Parathyroid Procedures
 K03 Adrenal Procedures
 L01 Kidney Transplant
 L02 Kidney Major Open Procedure >49 or w cc
 L03 Kidney Major Open Procedure <50 w/o cc
 L04 Kidney Major Endoscopic Procedure
 L05 Kidney Intermediate Endoscopic Procedure >69 or w cc
 L06 Kidney Intermediate Endoscopic Procedure <70 w/o cc

L11 Ureter Open Procedure
 L12 Ureter Major Endoscopic Procedure
 L13 Ureter Intermediate Endoscopic Procedure
 L14 Bladder Major Open Procedures or Reconstruction
 L15 Urinary Diversion without Cystectomy
 L16 Bladder Intermediate Open Procedure
 L17 Bladder Major Endoscopic Procedure
 L18 Bladder Intermediate Endoscopic Procedure w cc
 L19 Bladder Intermediate Endoscopic Procedure w/o cc
 L20 Bladder Minor Endoscopic Procedure w cc
 L21 Bladder Minor Endoscopic Procedure w/o cc
 L25 Bladder Neck Open Procedures Male
 L26 Bladder Neck Open Procedures Female
 L27 Prostate Transurethral Resection Procedure >69 or w cc
 L28 Prostate Transurethral Resection Procedure <70 w/o cc
 L29 Prostate or Bladder Neck Intermediate Endoscopic Procedure (Male and Female)
 L30 Prostate or Bladder Neck Minor Endoscopic Procedure (Male and Female)
 L33 Urethra Major Open Procedures
 L34 Urethra Intermediate or Minor Procedures >69 or w cc
 L35 Urethra Intermediate or Minor Procedures <70 w/o cc
 L37 Penis Major or Intermediate Open Procedures
 L38 Penis Minor Open Procedure > 69 or w cc
 L39 Penis Minor Open Procedure <70 w/o cc
 L41 Vasectomy Procedures
 L42 Scrotum Testis or Vas Deferens Open Procedures >69 or w cc
 L43 Scrotum Testis or Vas Deferens Open Procedures <70 w/o cc
 L45 Extracorporeal Lithotripsy
 L66 Urethra Major Open Procedure - paediatric
 L68 Cystectomy with Urinary Diversion and Reconstruction
 M01 Lower Genital Tract Minor Procedures
 M02 Lower Genital Tract Intermediate Procedures
 M03 Lower Genital Tract Major Procedures
 M04 Lower Genital Tract Complex Major Procedures
 M05 Upper Genital Tract Minor Procedures
 M06 Upper Genital Tract Intermediate Procedures
 M07 Upper Genital Tract Major Procedures
 M08 Upper Genital Tract Complex Major Procedures
 M10 Surgical Termination of Pregnancy
 N10 Caesarean Section w cc
 N11 Caesarean Section w/o cc
 Q01 Emergency Aortic Surgery
 Q02 Elective Abdominal Vascular Surgery
 Q03 Lower Limb Arterial Surgery
 Q04 Bypasses to Tibial Arteries
 Q05 Extracranial or Upper Limb Arterial Surgery
 Q06 Miscellaneous Vascular Procedures
 Q09 Procedures on the Lymphatic System w cc
 Q10 Procedures on the Lymphatic System w/o cc
 Q11 Varicose Vein Procedures
 Q12 Therapeutic Endovascular Procedures
 Q15 Amputations

Q16 Foot Procedures for Diabetes or Arterial Disease, and Procedures to Amputation Stumps

R01 Minor Spinal Procedures

R02 Surgery for Prolapsed Intervertebral Disc

R03 Decompression and Effusion for Degenerative Spinal Disorders

R04 Vertebral Column Injury with Fusion or Decompression

R07 Spinal Cord Injury with Fusion or Decompression

R09 Revisional Spinal Procedures

R10 Surgery for Scoliosis or Other Spinal Deformity

R11 Spinal Cord Surgery

R19 Intermediate Spinal Procedures

Appendix E Medical diagnosis codes

A09	Peripheral Nerve Disorder w cc
A10	Peripheral Nerve Disorder w/o cc
A11	Muscular Disorders
A12	Disorder of Balance aetiology unknown w cc
A13	Disorder of Balance aetiology unknown w/o cc
A14	Brain Tumours or Cerebral Cysts >69 or w cc
A15	Brain Tumours or Cerebral Cysts <70 w/o cc
A16	Cerebral Degenerations >69 or w cc
A17	Cerebral Degenerations <70 w/o cc
A18	Multiple Sclerosis or other CNS Demyelinating Conditions
A19	Haemorrhagic Cerebrovascular Disorders
A20	Transient Ischaemic Attack >69 or w cc
A21	Transient Ischaemic Attack <70 w/o cc
A22	Non-Transient Stroke or Cerebrovascular Accident >69 or w cc
A23	Non-Transient Stroke or Cerebrovascular Accident <70 w/o cc
A24	Cranial Nerve Disorders
A25	Nervous System Infections
A26	Encephalopathy
A27	Headache or Migraine >69 or w cc
A28	Headache or Migraine <70 w/o cc
A29	Epilepsy >69 or w cc
A30	Epilepsy <70 w/o cc
A31	Head Injury with Brain Injury
A32	Head Injury without Significant Brain Injury w cc
A33	Head Injury without Significant Brain Injury w/o cc
A34	Miscellaneous Disorders of Nervous System
A37	Motor Neuron Disease
A38	Alzheimers Disease
A98	Chemotherapy with a Nervous System Primary Diagnosis
A99	Complex Elderly with a Nervous System Primary Diagnosis
B32	Non Surgical Ophthalmology with los <2 days
B33	Non Surgical Ophthalmology with los >1 day
C06	Minor Medical Head, Neck or Ear Diagnoses >69 or w cc
C07	Minor Medical Head, Neck or Ear Diagnoses <70 w/o cc
C16	Intermediate Medical Head, Neck or Ear Diagnoses w cc
C17	Intermediate Medical Head, Neck or Ear Diagnoses w/o cc
C26	Major Medical, Head, Neck or Ear Diagnoses w cc
C27	Major Medical, Head, Neck or Ear Diagnoses w/o cc
C36	Complex Major Head, Neck or Ear Diagnoses >69 or w cc
C37	Complex Major Head, Neck or Ear Diagnoses <70 w/o cc
C98	Chemotherapy with a Mouth, Head, Neck or Ear Primary Diagnosis
C99	Complex Elderly with a Mouth, Head, Neck or Ear Primary Diagnosis
D10	Pulmonary Embolis w cc
D11	Pulmonary Embolis w/o cc
D12	Lung Abscess-Empyema
D13	Lobar, Atypical or Viral Pneumonia w cc
D14	Lobar, Atypical or Viral Pneumonia w/o cc

D16 Bronchiectasis
D17 Cystic Fibrosis
D18 Pulmonary, Pleural or Other Tuberculosis
D21 Asthma w cc
D22 Asthma w/o cc
D23 Pleural Effusion w cc
D24 Pleural Effusion w/o cc
D25 Respiratory Neoplasms
D31 Sleep Disordered Breathing
D33 Other Respiratory Diagnoses >69 or w cc
D34 Other Respiratory Diagnoses <70 w/o cc
D37 Pulmonary Oedema
D39 Chronic Obstructive Pulmonary Disease or Bronchitis w cc
D40 Chronic Obstructive Pulmonary Disease or Bronchitis w/o cc
D41 Unspecified Acute Lower Respiratory Infection
D42 Bronchopneumonia w cc
D43 Bronchopneumonia w/o cc
D44 Inhalation Lung Injury or Foreign Body w cc
D45 Inhalation Lung Injury or Foreign Body w/o cc
D46 Fibrosis or Pneumoconiosis w cc
D47 Fibrosis or Pneumoconiosis w/o cc
D48 Pneumothorax w cc
D49 Pneumothorax w/o cc
D50 Respiratory Failure w cc
D51 Respiratory Failure w/o cc
D52 Plurisy
D53 Granulomatous, Allergic Alveolitis or Autoamune Lung Disease
D98 Chemotherapy with a Respiratory System Primary Diagnosis
D99 Complex Elderly with a Respiratory System Primary Diagnosis
E11 Acute Myocardial Infarction w cc
E12 Acute Myocardial Infarction w/o cc
E17 Endocarditis
E18 Heart Failure or Shock >69 or w cc
E19 Heart Failure or Shock <70 w/o cc
E20 Deep Vein Thrombosis >69 or w cc
E21 Deep Vein Thrombosis <70 w/o cc
E22 Ischaemic Heart Disease without intervention >69 or w cc
E23 Ischaemic Heart Disease without intervention <70 w/o cc
E24 Hypertension >69 or w cc
E25 Hypertension <70 w/o cc
E28 Cardiac Arrest
E29 Arrhythmia or Conduction Disorders >69 or w cc
E30 Arrhythmia or Conduction Disorders <70 w/o cc
E31 Syncope or Collapse >69 or w cc
E32 Syncope or Collapse <70 w/o cc
E35 Chest Pain >69 or w cc
E36 Chest Pain <70 w/o cc
E37 Other Cardiac Diagnoses
E42 Valve Disorders
E43 Congenital Disorders
E99 Complex Elderly with a Cardiac Primary Diagnosis

F07 Disorders of the Oesophagus >69 or w cc
 F08 Disorders of the Oesophagus <70 w/o cc
 F17 Stomach or Duodenum Disorders >69 or w cc
 F18 Stomach or Duodenum Disorders <70 w/o cc
 F24 Small Intestinal Disorders (excluding IBD)
 F36 Large Intestinal Disorders >69 or w cc
 F37 Large Intestinal Disorders <70 w/o cc
 F46 General Abdominal Disorders >69 or w cc
 F47 General Abdominal Disorders <70 w/o cc
 F48 Intestinal Infectious Disorders >69 or w cc
 F49 Intestinal Infectious Disorders <70 w/o cc
 F55 Inflammatory Bowel Disease >69 or w cc
 F56 Inflammatory Bowel Disease <70 w/o cc
 F64 Gastrointestinal Bleed >69 or w cc
 F65 Gastrointestinal Bleed <70 w/o cc
 F76 Hernia Disorders >69 or w cc
 F77 Hernia Disorders <70 w/o cc
 F83 Appendix Disorders
 F96 Anal Disorders
 F98 Chemotherapy with a Digestive System Primary Diagnosis
 F99 Complex Elderly with Digestive System Primary Diagnosis
 G06 Acute Liver Disorders
 G07 Chronic Liver Disorders >69 or w cc
 G08 Chronic Liver Disorders <70 w/o cc
 G18 Biliary Tract Disorders >69 or w cc
 G19 Biliary Tract Disorders <70 w/o cc
 G20 Biliary Tract Neoplasms
 G23 Pancreatic Disorders
 G24 Chronic Pancreatic Disease >69
 G25 Chronic Pancreatic Disease <70
 G98 Chemotherapy with a Hepato-Biliary or Pancreatic System Primary Diagnosis
 G99 Complex Elderly with a Hepato-Biliary or Pancreatic System Primary Diagnosis
 H23 Soft Tissue Disorders >69 or w cc
 H24 Soft Tissue Disorders <70 w/o cc
 H25 Inflammatory Spine, Joint or Connective Tissue Disorders >69 or w cc
 H26 Inflammatory Spine, Joint or Connective Tissue Disorders <70 w/o cc
 H27 Non-Inflammatory Bone or Joint Disorders >69 or w cc
 H28 Non-Inflammatory Bone or Joint Disorders <70 w/o cc
 H30 Infections of Bones or Joints
 H31 Musculoskeletal Signs and Symptoms >69 or w cc
 H32 Musculoskeletal Signs and Symptoms <70 w/o cc
 H35 Open Lower Limb Fractures or Dislocations
 H36 Closed Pelvis or Lower Limb Fractures >69 or w cc
 H37 Closed Pelvis or Lower Limb Fractures <70 w/o cc
 H38 Open Upper Limb Fractures or Dislocations
 H39 Closed Upper Limb Fractures or Dislocations >69 or w cc
 H40 Closed Upper Limb Fractures or Dislocations <70 w/o cc
 H41 Sprains, Strains, or Minor Open Wounds >69 or w cc
 H42 Sprains, Strains, or Minor Open Wounds <70 w/o cc
 H43 Major Cranial, Visceral or Blood Vessel Injury >69 or w cc
 H44 Major Cranial, Visceral or Blood Vessel Injury <70 w/o cc

H45 Minor Fractures or Dislocations
 H48 Other Wounds or Injuries
 H49 Multiple Injury >69
 H50 Multiple Injury <70
 H53 Pathological Fractures or Malignancy of Bone and Connective Tissue >69 or w cc
 H54 Pathological Fractures or Malignancy of Bone and Connective Tissue <70 w/o cc
 H63 Head Injury >69 or w cc
 H64 Head Injury <70 w/o cc
 H88 Other Neck of Femur Fracture w cc
 H89 Other Neck of Femur Fracture w/o cc
 H98 Chemotherapy with a Musculoskeletal System Primary Diagnosis
 H99 Complex Elderly with a Musculoskeletal System Primary Diagnosis
 J08 Non-Malignant Breast Disorders
 J09 Malignant Breast Disorders >69 or w cc
 J10 Malignant Breast Disorders <70 w/o cc
 J19 Other Burn with Inhalation Injury
 J26 Other Burn without Significant Graft Procedure >49
 J27 Other Burn without Significant Graft Procedure >18 <50
 J28 Other Burn without Significant Graft Procedure <19
 J38 Skin Ulcers
 J39 Major Dermatological Conditions >69 or w cc
 J40 Major Dermatological Conditions <70 w/o cc
 J41 Major Skin Infections >69 or w cc
 J42 Major Skin Infections <70 w/o cc
 J43 Major Skin Tumours
 J44 Minor Dermatological Conditions or Benign Tumours
 J45 Minor Skin Infections
 J98 Chemotherapy with a Skin, Breast or Burn Primary Diagnosis
 J99 Complex Elderly with a Skin, Breast or Burn Primary Diagnosis
 K04 Anterior Pituitary Disorders
 K07 Fluid or Electrolyte Disorders >69 or w cc
 K08 Fluid or Electrolyte Disorders <70 w/o cc
 K09 Disorders of Nutrition
 K10 Inborn Errors of Metabolism
 K11 Diabetes with Hypoglycaemic Emergency >69 or w cc
 K12 Diabetes with Hypoglycaemic Emergency <70 w/o cc
 K13 Diabetes with Hyperglycaemic Emergency >69 or w cc
 K14 Diabetes with Hyperglycaemic Emergency <70 w/o cc
 K15 Diabetes and Other Hyperglycaemic Disorder >69 or w cc
 K16 Diabetes and Other Hyperglycaemic Disorder <70 w/o cc
 K17 Diabetes with Lower Limb Complications
 K18 Non Pituitary Endocrine Neoplasms >69 or w cc
 K19 Non Pituitary Endocrine Neoplasms <70 w/o cc
 K20 Non Surgical Thyroid Disorders >69 or w cc
 K21 Non Surgical Thyroid Disorders <70 w/o cc
 K22 Other Endocrine Disorders >69 or w cc
 K23 Other Endocrine Disorders < 70 w/o cc
 K98 Chemotherapy with an Endocrine or Metabolic System Primary Diagnosis
 K99 Complex Elderly with an Endocrine or Metabolic System Primary Diagnosis
 L07 Non OR Admission for Kidney or Urinary Tract Neoplasms >69 or w cc
 L08 Non OR Admission for Kidney or Urinary Tract Neoplasms <70 w/o cc

L09 Kidney or Urinary Tract Infections >69 or w cc
 L10 Kidney or Urinary Tract Infections <70 w/o cc
 L22 Bladder or Urinary Mechanical Problems >69 or w cc
 L23 Bladder or Urinary Mechanical Problems <70 w/o cc
 L24 Ureteric or Bladder Disorders
 L31 Malignant Prostate Disorders
 L32 Non-Malignant Prostate Disorders
 L36 Urethra Disorders
 L40 Penis Disorders
 L44 Scrotum Testis or Vas Deferens Disorders
 L46 Renal Replacement Associated Procedures
 L47 Renal Replacement Therapy w cc
 L48 Renal Replacement Therapy w/o cc
 L49 Acute Renal Failure >69 or w cc
 L50 Acute Renal Failure <70 w/o cc
 L51 Chronic Renal Failure
 L52 Renal General Disorders >69 or w cc
 L53 Renal General Disorders <70 w/o cc
 L54 Urinary Tract Findings >69 or w cc
 L55 Urinary Tract Findings <70 w/o cc
 L69 Urinary Tract Stone Disease
 L98 Chemotherapy with a Urinary Tract or Male Reproductive System Primary
 Diagnosis
 L99 Complex Elderly with a Urinary Tract or Male Reproductive System Primary
 Diagnosis
 M12 Non-Surgical Treatment of Lower Genital Tract Disorders
 M13 Non-Surgical Treatment of Genital Prolapse or Incontinence
 M14 Non-Surgical Treatment of Fibroids, Menstrual Disorders, or Endometriosis
 M15 Non-Surgical Treatment of Ovary, Tube, or Pelvis Disorders
 M16 Non-Surgical Treatment of Gynaecological Malignancy w cc
 M17 Non-Surgical Treatment of Gynaecological Malignancy w/o cc
 M18 Non-Surgical Treatment of Other Gynaecological Conditions
 M19 Gynaecological Radiotherapy
 M98 Chemotherapy with a Female Reproductive System Primary Diagnosis
 M99 Complex Elderly with a Female Reproductive System Primary Diagnosis
 P01 Asthma or Wheezing
 P02 Cystic Fibrosis
 P03 Upper Respiratory Tract Disorders
 P04 Lower Respiratory Tract Disorders without Acute Bronchiolitis
 P05 Major Infections (including Immune Disorders)
 P06 Minor Infections (including Immune Disorders)
 P07 Neoplasms
 P08 Febrile Convulsions
 P09 Nervous System Disorders
 P11 Endocrine Disorders (excluding Diabetes Mellitus)
 P12 Major Gastrointestinal or Metabolic Disorders
 P13 Other Gastrointestinal or Metabolic Disorders
 P14 Ingestion Poisoning or Allergies
 P15 Accidental Injury without Brain Injury
 P16 Child Welfare and Protection
 P17 Behavioural Disorders

P18 Developmental Disorders
 P19 Major Congenital Conditions
 P20 Other Congenital Conditions
 P21 Renal Disease
 P22 Renal Disease with Renal Failure
 P23 Blood Cell Disorders
 P24 Skin, Musculoskeletal, or Connective Tissue Disorders
 P25 Cardiac Conditions
 P26 Infectious and Non-Infectious Gastroenteritis
 P27 Acute Bronchiolitis
 P28 Epilepsy Syndrome
 P29 Diabetes Mellitus
 P30 Head Injury with Brain Injury
 P31 Head Injury without Brain Injury
 P98 Chemotherapy with a Disease of Childhood Primary Diagnosis
 Q13 Diagnostic Radiology - Arteries or Lymphatics w cc
 Q14 Diagnostic Radiology - Arteries or Lymphatics w/o cc
 Q17 Non-Surgical Peripheral Vascular Disease w cc
 Q18 Non-Surgical Peripheral Vascular Disease w/o cc
 Q19 Vascular Access for Renal Replacement Therapy
 Q98 Chemotherapy with a Vascular System Primary Diagnosis
 Q99 Complex Elderly with a Vascular System Primary Diagnosis
 R05 Vertebral Column Injury without Procedure >69 or w cc
 R06 Vertebral Column Injury without Procedure <70 w/o cc
 R08 Spinal Cord Injury without Procedure
 R12 Cervical Spinal Disorders >69 or w cc
 R13 Cervical Spinal Disorders <70 w/o cc
 R14 Spinal Tumours
 R15 Thoracic or Lumbar Spinal Disorders >69 or w cc
 R16 Thoracic or Lumbar Spinal Disorders <70 w/o cc
 R17 Non-Traumatic Spinal Cord Disorders
 R18 Scoliosis or Other Spinal Deformity
 R98 Chemotherapy with a Spinal Primary Diagnosis
 R99 Complex Elderly with a Spinal Primary Diagnosis
 S04 Coagulation Disorders
 S05 Red Blood Cell Disorders >69 or w cc
 S06 Red Blood Cell Disorders <70 w/o cc
 S07 Other Haematological or Splenic Disorders w cc
 S08 Other Haematological or Splenic Disorders w/o cc
 S09 Bone Marrow Graft
 S10 Manifestations of HIV/AIDS
 S11 Disorders of Immunity without HIV/AIDS
 S12 Septicaemia
 S13 Pyrexia of Unknown Origin
 S14 Other Viral Illness
 S15 Other Non-Viral Infections
 S16 Poisoning, Toxic, Environmental and Unspecified Effects
 S19 Complications of Procedures
 S21 Convalescent or Other Relief Care
 S22 Planned Procedures Not Carried Out
 S24 Respite Care

- S26 Shock and Anaphylaxis
- S27 Malignant Disorder of the Lymphatic/ Haematological Systems with los <2 days
- S28 Malignant Disorder of the Lymphatic/ Haematological Systems with los >1 day
- S29 Other Admissions Related to Neoplasms
- S30 Other Congenital Conditions Persisting in Adulthood
- S31 Admission for Unexplained Symptoms
- S32 Abnormal Findings without Diagnosis
- S33 Examination, Follow up and Special Screening
- S34 Other Procedures and Health Care Problems
- S35 Other Specified Admissions and Counselling
- S36 Diagnostic Extraction of Bone Marrow
- S98 Chemotherapy with a Haematology, Infectious Disease, Poisoning, or Non-specific Primary Diagnosis
- S99 Complex Elderly with a Haematology, Infectious Disease, Poisoning, or Non-specific Primary Diagnosis
- T01 Senile Dementia
- T02 Schizophreniform Psychoses with Section
- T03 Schizophreniform Psychoses without Section
- T04 Mania with Section
- T05 Mania without Section
- T06 Depression with Section
- T07 Depression without Section
- T08 Presenile Dementia
- T09 Anxiety Syndromes
- T10 Alcohol or Drugs Non-Dependent Use >18
- T11 Alcohol or Drugs Non-Dependent Use <19
- T12 Alcohol or Drugs Dependency
- T13 Eating Disorders or Obsessive Compulsive Disorders
- T14 Acute Reactions or Personality Disorders
- T15 Childhood Non-Psychotic Disorders
- T16 Mental Retardation
- T17 Specific Learning Disabilities

Appendix F Exclusions for operating theatre procedure codes

Used in PSIs 1, 3, 8-13

This table represents a list of OPCS 4.3 procedure codes that are **not** performed in an operating theatre. This is now (Jan 12th 2007) the HCC list with our OPCS4.3 additions, with further amendment (Jan 17th 2007) when they gave us an updated list.

A52 Therapeutic epidural injection
A55 Diagnostic spinal puncture
D07 Clearance of external auditory canal
E423 Temporary tracheostomy
H441 Manual removal of foreign body from rectum
H443 Manual evacuation of impacted faeces from rectum
M47 Urethral catheterisation of bladder
Q12 Intrauterine contraceptive device
Q55 Other examination of female genital tract
R15 Other induction of labour
R24 Normal delivery
S13 Punch biopsy of skin
S14 Shave biopsy of skin
S15 Other biopsy of skin
S50 Introduction of other inert substance into subcutaneous tissue
S51 Introduction of destructive substance into subcutaneous tissue
S52 Introduction of therapeutic substance into subcutaneous tissue
S53 Introduction of substance into skin
S543 Toilet to burnt skin of head or neck NEC
S544 Dressing of burnt skin of head or neck
S545 Attention to dressing of burnt skin of head or neck
S553 Toilet to burnt skin NEC
S554 Dressing of burnt skin NEC
S555 Attention to dressing of burnt skin NEC
S563 Toilet to skin of head or neck NEC
S564 Dressing of skin of head or neck NEC
S565 Attention to dressing of skin of head or neck NEC
S573 Toilet of skin NEC
S574 Dressing of skin NEC
S575 Attention to dressing of skin NEC
T12 Puncture of pleura
T46 Other drainage of peritoneal cavity
V49 Exploration of spine
W911 Manipulation of joint using traction NEC
W923 Examination of joint under image intensifier
X29 Continuous Infusion of therapeutic substance
X30 Injection of therapeutic substance
X31 Injection of radiocontrast material
X32 Exchange blood transfusion
X33 Other blood transfusion
X34 Other intravenous transfusion

X35 Other intravenous injection
X36 Blood withdrawal
X37 Intramuscular injection
X38 Subcutaneous injection
X39 Other route of administration of therapeutic substance
X40 Compensation for renal failure
X48 Immobilisation using plaster cast
X49 Other external support of limb
X50 External resuscitation
X51 Change of body temperature
X558 Other operations on unspecified organ other specified
X559 Other operations on unspecified organ unspecified
A705 Electroacupuncture
C871 Digital imaging of retina
C873 Tomography evaluation of retina
C874 Ultrasonic evaluation of retina
C875 Scanning laser ophthalmoscopy evaluation of retina
C878 Other specified
C879 Unspecified
E851 Invasive ventilation
E852 Non-invasive ventilation
E853 Improving efficiency of ventilation
E858 Other specified
E859 Unspecified
E871 Home oxygen support
E872 Long term oxygen assessment
E873 Ambulatory oxygen assessment
E878 Other specified
E879 Unspecified
E891 Secretion clearance
E892 Induced sputum
E893 Nebuliser therapy
E894 Control of respiration
E898 Other specified
E899 Unspecified
E911 Oximetry assessment
E912 Continuous pulse oximetry
E913 Overnight oximetry
E918 Other specified
E919 Unspecified
E921 Carbon monoxide transfer factor test
E922 Distribution of ventilation test
E923 Measurement of alveolar carbon monoxide
E924 Blood gas analysis
E925 Complex lung function exercise testing
E926 Simple lung function exercise testing
E928 Other specified
E929 Unspecified
E931 Measurement of peak expiratory flow rate
E932 Spirometry
E933 Body plethysmographic measurement of airways resistance

E934 Measurement of airways resistance using forced oscillation technique
E935 Measurement of static lung volume
E936 Measurement of respiratory muscle strength
E938 Other specified
E939 Unspecified
E941 Bronchodilator response to inhaled therapy using simple measures of airflow
E942 Bronchodilator response to inhaled therapy using complex measures of airflow
E943 Bronchial reactivity
E944 Bronchial challenge
E948 Other specified
E949 Unspecified
E951 Heaf Testing
E952 BCG administration
E953 Directly observed therapy
E954 Contact tracing
E958 Other specified
E959 Unspecified
E971 Education for inhaled therapy education
E972 Education for peak flow technique
E973 Education for self-management of respiratory health
E978 Other specified
E979 Unspecified
F631 Creating of impression for denture or obturator
F632 Fitting of denture or obturator
F633 Adjustment of denture or obturator
F634 Repair of denture or obturator
F635 Splinting of teeth
F638 Other specified
F639 Unspecified
G483 Induction of emesis
G484 Administration of activated charcoal
M171 Live kidney donor screening
N351 Dermatological non-operative interventions involving the scrotum
N352 Dermatological non-operative interventions involving the penis
N353 Dermatological non-operative interventions involving the male perineum
N358 Other specified
N359 Unspecified
R361 Dating scan
R362 Viability scan
R363 Mid trimester scan
R368 Other specified
R369 Unspecified
R371 Biophysical profile
R372 Detailed structural scan
R373 Fetal biometry
R374 Nuchal translucency scan
R375 Fetal ascites scan
R376 Rhesus detailed scan
R378 Other specified
R379 Unspecified
R381 Placental localisation scan

R382 Liquor volume scan
R388 Other specified
R389 Unspecified
R401 Maternal cervical assessment (TV)
R402 Cervical length scanning at 24 weeks
R408 Other specified
R409 Unspecified
R421 Umbilical artery Doppler
R422 Uterine artery Doppler
R423 Middle cerebral artery Doppler
R428 Other specified
R429 Unspecified
R431 Ultrasound monitoring of luteal phase
R432 Ultrasound monitoring of early pregnancy
R438 Other specified
R439 Unspecified CHAPTERS
T912 Scanning of sentinel lymph node
U011 Computed tomography of whole body
U012 Magnetic resonance imaging of whole body
U018 Other specified
U019 Unspecified
U041 Bitewing radiology
U042 Periapical radiology
U043 Occlusal radiology
U044 Lateral oblique jaw radiology
U048 Other specified
U049 Unspecified
U051 Computed tomography of head
U052 Magnetic resonance imaging of head
U053 Functional magnetic resonance imaging of head
U054 Computed tomography of spine
U055 Magnetic resonance imaging of spine
U058 Other specified
U059 Unspecified
U061 Computed tomography of sinuses
U062 Dacrosintigram
U063 Ultrasound of thyroid gland
U064 X-ray of skull
U065 Scanning of thyroid gland nec
U068 Other specified
U069 Unspecified
U071 Computed tomography of chest
U072 Magnetic resonance imaging of chest
U073 Plain x-ray of chest
U078 Other specified
U079 Unspecified
U081 Computed tomography of abdomen
U082 Ultrasound of abdomen
U083 Plain x-ray of abdomen
U084 Upper gastrointestinal series
U088 Other specified

U089 Unspecified
U091 Computed tomography of pelvis
U092 Ultrasound of pelvis
U098 Other specified
U099 Unspecified
U101 Cardiac computed tomography for calcium scoring
U102 Cardiac computed tomography angiography
U103 Cardiac magnetic resonance imaging
U104 Myocardial positron emission tomography
U105 Radionuclide angiocardiology
U106 Myocardial perfusion scan
U107 Cardiac multiple gated acquisition scan
U108 Other specified
U109 Unspecified
U111 Ultrasound of carotid artery
U112 Doppler ultrasound of vessels of extremities
U113 Vascular ultrasound nec
U114 Computed Tomography scan of cerebral vessels
U115 Thallium stress test
U116 D-Dimer assay
U117 Magnetic resonance angiography
U118 Other specified
U119 Unspecified
U121 Voiding cystourethrogram
U122 Ultrasound of scrotum
U123 Ultrasound of kidneys
U124 Ultrasound of bladder
U125 Static renogram
U126 MAG3 renogram
U127 Nuclear cystography
U128 Other specified
U129 Unspecified
U131 Bone densitometry
U132 Ultrasound of joint
U133 Magnetic resonance imaging of joint
U134 Plain x-ray of joint
U135 X-ray of bone
U136 Computed tomography of bone
U138 Other specified
U139 Unspecified
U141 Bone scan of whole body
U142 Bone scan – special views
U143 Bone scan – three phase
U144 Bone scan – two phase
U148 Other specified
U149 Unspecified
U151 Lung perfusion scanning
U152 Lung ventilation scanning
U158 Other specified
U159 Unspecified
U161 Hepatobiliary scan

U168 Other specified
U169 Unspecified
U171 Meckels scan
U172 SeHCAT study
U173 Barium swallow
U174 Barium enema
U178 Other specified
U179 Unspecified
U181 Scintimammography
U188 Other specified
U189 Unspecified
U192 24 hour ambulatory electrocardiography
U193 48 hour ambulatory electrocardiography
U194 Exercise electrocardiography
U195 Holter extended electrocardiographic recording
U196 Cardiomemo electrocardiographic monitoring
U198 Other specified
U199 Unspecified
U201 Transthoracic echocardiography
U202 Transoesophageal echocardiography
U203 Intravascular echocardiography
U204 Epicardial echocardiography
U205 Stress echocardiography
U206 Fetal echocardiography
U208 Other specified
U209 Unspecified
U211 Magnetic resonance imaging nec
U212 Computerised tomography nec
U213 Positron emission tomography nec
U214 Single photon emission computed tomography nec
U215 Contrast fluoroscopy nec
U216 Ultrasound scan nec
U217 Plain X-ray nec
U218 Other specified
U219 Unspecified
U221 Electroencephalograph telemetry
U222 Functional inactivation of single brain hemisphere test
U223 Neuropsychology test of intelligence
U224 Neuropsychology test of language
U225 Neuropsychology test of memory
U226 Neuropsychology test of perception
U227 Neuropsychology test of executive function
U228 Other specified
U229 Unspecified
U231 Red cell mass studies
U232 White cell scan using indium 111
U233 White cell scan using technetium 99
U234 Ferrokinetic studies
U238 Other specified
U239 Unspecified
U241 Pure tone audiometry

U242 Balance assessment
U243 Hearing assessment
U248 Other specified
U249 Unspecified
U251 C14 urea helicobacter pylori breath test
U252 C14 glycocholic acid breath test
U253 Hydrogen breath test
U254 Urea breath test
U258 Other specified
U259 Unspecified
U261 Glomerular filtration rate testing
U262 Uroflowmetry nec
U263 Test strip urinalysis
U264 Urodynamics nec
U265 Schilling test
U268 Other specified
U269 Unspecified
U271 Standard series patch testing of skin
U272 Extended series patch testing of skin
U273 Closed routine patch testing of skin
U274 Closed special patch testing of skin
U275 Open patch testing of skin
U276 Patch testing of skin with patient's own products
U277 Photopatch testing of skin
U278 Other specified
U279 Unspecified
U281 Phototesting of skin using monochromator
U282 Phototesting of skin using solar simulator
U283 Provocation phototesting
U284 Passive transfer test for solar urticaria
U285 Reverse passive transfer test for solar urticaria
U286 Autologous SST serum skin test for urticaria
U287 Physical challenge tests for urticaria
U288 Other specified
U289 Unspecified
U291 Insulin stress test of anterior pituitary function
U292 Insulin secretion glucagon test
U293 Glucose tolerance test
U294 Water deprivation test
U295 Adrenal suppression test
U296 Arginine Vasopressin response to hypertonic saline test
U298 Other specified
U299 Unspecified
U301 Tilt table testing
U308 Other specified
U309 Unspecified
U311 Distant pacemaker test
U318 Other specified
U319 Unspecified
U321 Human Immunodeficiency Virus blood test
U328 Other specified

U329 Unspecified
U501 Delivery of rehabilitation for amputation of limb
U502 Delivery of rehabilitation for hip fracture
U503 Delivery of rehabilitation for joint replacement
U504 Delivery of rehabilitation for rheumatoid arthritis
U505 Delivery of rehabilitation for osteoarthritis
U508 Other specified
U509 Unspecified
U511 Delivery of rehabilitation for brain injuries
U512 Delivery of rehabilitation for spinal cord injury
U513 Delivery of rehabilitation for pain syndromes
U518 Other specified
U519 Unspecified
U521 Delivery of rehabilitation for drug addiction
U522 Delivery of rehabilitation for alcohol addiction
U528 Other specified
U529 Unspecified
U531 Delivery of rehabilitation following plastic maxillofacial reconstructive surgery
U532 Delivery of rehabilitation following other plastic reconstructive surgery nec
U533 Delivery of rehabilitation for burns
U534 Delivery of rehabilitation for trauma nec
U538 Other specified
U539 Unspecified
U541 Delivery of rehabilitation for acute cardiac disorders
U542 Delivery of rehabilitation for respiratory disorders
U543 Delivery of rehabilitation for stroke
U548 Other specified
U549 Unspecified
X521 Hyperbaric therapy
X528 Other specified
X529 Unspecified
X561 Nasotracheal intubation
X562 Endotracheal intubation
X563 Tracheal intubation using laryngeal mask airway
X568 Other specified
X569 Unspecified
X571 Bag valve mask ventilation
X572 Non-invasive intermittent positive pressure ventilation
X573 Nebuliser ventilation
X578 Other specified
X579 Unspecified
X601 Rehabilitation assessment by multidisciplinary
X602 Rehabilitation assessment by multidisciplinary
X603 Rehabilitation assessment by unidisciplinary team
X608 Other specified
X609 Unspecified
X611 Functional therapy session
X612 Relaxation therapy session
X613 Body massage
X614 Movement therapy nec
X618 Other specified

X619 Unspecified
 X621 Assessment by uni-professional team
 X622 Assessment by multi-professional team
 X623 Assessment by multi-disciplinary team
 X628 Other specified
 X629 Unspecified
 X631 Volume definition for radiotherapy with imaging and intensity-modulated radiation therapy (IMRT) dosimetry
 X632 Volume definition for radiotherapy with imaging technical support
 X633 Volume definition for multiple phases of complex radiotherapy with dosimetry
 X634 Volume definition for simple radiotherapy with imaging and dosimetry
 X635 Volume definition for simple radiotherapy with imaging and simple calculation
 X636 Volume definition for superficial or deep X-ray radiotherapy with simple calculation
 X638 Other specified
 X639 Unspecified
 X641 Preparation for total body irradiation
 X642 Preparation for intracavitary radiotherapy
 X643 Preparation for interstitial radiotherapy
 X648 Other specified
 X649 Unspecified
 X661 Cognitive behavioural therapy by unidisciplinary team
 X662 Cognitive behavioural therapy by multidisciplinary team
 X668 Other specified
 X669 Unspecified
 X701 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 1
 X702 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 2
 X703 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 3
 X704 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 4
 X705 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 5
 X708 Other specified
 X709 Unspecified
 X711 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 6
 X712 "Procurement of drugs for chemotherapy for neoplasm for regimens in Band 7
 "
 X713 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 8
 X714 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 9
 X715 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 10
 X718 Other specified
 X719 Unspecified
 X721 Delivery of complex chemotherapy for neoplasm including prolonged infusional treatment at first attendance
 X722 Delivery of complex parenteral chemotherapy for neoplasm at first attendance
 X723 Delivery of simple parenteral chemotherapy for neoplasm at first attendance
 X724 Delivery of subsequent element of cycle of chemotherapy for neoplasm
 X728 Other specified
 X729 Unspecified
 X731 Delivery of exclusively oral chemotherapy for neoplasm
 X738 Other specified
 X739 Unspecified
 X818 Other specified

X819 Unspecified
X821 Primary pulmonary hypertension drugs band 1
X822 Primary pulmonary hypertension drugs band 2
X823 Primary pulmonary hypertension drugs band 3
X824 Primary pulmonary hypertension drugs band 4
X828 Other specified
X829 Unspecified
X831 Blood products band 1
X832 Blood products band 2
X833 Fibrinolytic drugs band 1
X838 Other specified
X839 Unspecified
X841 Medical gases band 1
X848 Other specified
X849 Unspecified
X851 Torsion dystonias and other involuntary movements drugs band 1
X852 Amyotrophic lateral sclerosis drugs band 1
X858 Other specified
X859 Unspecified
X861 Anti fungal drugs band 1
X862 Anti fungal drugs band 2
X863 Hepatitis B treatment drugs band 1
X864 Hepatitis C treatment drugs band 1
X868 Other specified
X869 Unspecified
X871 Growth hormone receptor antagonist drugs band 1
X872 Growth hormone analogue drugs band 1
X873 Bone metabolism drugs band 1
X878 Other specified
X879 Unspecified
X888 Other specified
X889 Unspecified
X891 Monoclonal antibodies band 1
X892 Monoclonal antibodies band 2
X893 Immunomodulating drugs band 1
X894 Somatostatin analogues band 1
X898 Other specified
X899 Unspecified
X901 Hypoplastic haemolytic and renal anaemia drugs band 1
X902 Hypoplastic haemolytic and renal anaemia drugs band 2
X903 Neutropenia drugs band 1
X904 Intravenous nutrition band 1
X908 Other specified
X909 Unspecified
X911 Metabolic disorder drugs band 1
X912 Metabolic disorder drugs band 2
X913 Metabolic disorder drugs band 3
X914 Metabolic disorder drugs band 4
X918 Other specified
X919 Unspecified
X921 Cytokine inhibitor drugs band 1

X922 Hyperuricaemia drugs band 1
X928 Other specified
X929 Unspecified
X938 Other specified
X939 Unspecified
X941 Immune response drugs band 1
X942 Immunoglobulins band 1
X948 Other specified
X949 Unspecified
X951 Immune response drugs band 1
X958 Other specified
X959 Unspecified
X961 Immunoglobulins band 1
X968 Other specified
X969 Unspecified
X978 Other specified
X979 Unspecified
Y941 DaTSCAN imaging
Y942 Octreotide imaging
Y943 Meta-Iodo-Benzyl-Guanidine(MIBG) scan

Appendix G Infection OCD codes

A000	Cholera due to <i>Vibrio cholerae</i> 01, biovar cholerae
A001	Cholera due to <i>Vibrio cholerae</i> 01, biovar eltor
A009	Cholera, unspecified
A010	Typhoid fever
A011	Paratyphoid fever A
A012	Paratyphoid fever B
A013	Paratyphoid fever C
A014	Paratyphoid fever, unspecified
A020	Salmonella enteritis
A021	Salmonella septicaemia
A022	Localized salmonella infections
A028	Other specified salmonella infections
A029	Salmonella infection, unspecified
A030	Shigellosis due to <i>Shigella dysenteriae</i>
A031	Shigellosis due to <i>Shigella flexneri</i>
A032	Shigellosis due to <i>Shigella boydii</i>
A033	Shigellosis due to <i>Shigella sonnei</i>
A038	Other shigellosis
A039	Shigellosis, unspecified
A040	Enteropathogenic <i>Escherichia coli</i> infection
A041	Enterotoxigenic <i>Escherichia coli</i> infection
A042	Enteroinvasive <i>Escherichia coli</i> infection
A043	Enterohaemorrhagic <i>Escherichia coli</i> infection
A044	Other intestinal <i>Escherichia coli</i> infections
A045	<i>Campylobacter</i> enteritis
A046	Enteritis due to <i>Yersinia enterocolitica</i>
A047	Enterocolitis due to <i>Clostridium difficile</i>
A048	Other specified bacterial intestinal infections
A049	Bacterial intestinal infection, unspecified
A050	Foodborne staphylococcal intoxication
A051	Botulism
A052	Foodborne <i>Clostridium perfringens</i> [Cl welchii] intoxication
A053	Foodborne <i>Vibrio parahaemolyticus</i> intoxication
A058	Other specified bacterial foodborne intoxications
A059	Bacterial foodborne intoxication, unspecified
A200	Bubonic plague
A201	Cellulocutaneous plague
A202	Pneumonic plague
A207	Septicaemic plague
A208	Other forms of plague
A209	Plague, unspecified
A210	Ulceroglandular tularaemia
A211	Oculoglandular tularaemia
A212	Pulmonary tularaemia
A213	Gastrointestinal tularaemia
A218	Other forms of tularaemia
A219	Tularaemia, unspecified

A220	Cutaneous anthrax
A221	Pulmonary anthrax
A222	Gastrointestinal anthrax
A227	Anthrax septicaemia
A228	Other forms of anthrax
A229	Anthrax, unspecified
A230	Brucellosis due to <i>Brucella melitensis</i>
A231	Brucellosis due to <i>Brucella abortus</i>
A232	Brucellosis due to <i>Brucella suis</i>
A233	Brucellosis due to <i>Brucella canis</i>
A238	Other brucellosis
A239	Brucellosis, unspecified
A240	Glanders
A244	Melioidosis, unspecified
A250	Spirillosis
A251	Streptobacillosis
A259	Rat-bite fever, unspecified
A269	Erysipeloid, unspecified
A280	Pasteurellosis
A288	Other specified zoonotic bacterial diseases NEC
A289	Zoonotic bacterial disease, unspecified
A329	Listeriosis, unspecified
A33	Tetanus neonatorum
A35	Other tetanus
A360	Pharyngeal diphtheria
A361	Nasopharyngeal diphtheria
A362	Laryngeal diphtheria
A363	Cutaneous diphtheria
A368	Other diphtheria
A369	Diphtheria, unspecified
A370	Whooping cough due to <i>Bordetella pertussis</i>
A371	Whooping cough due to <i>Bordetella parapertussis</i>
A378	Whooping cough due to other <i>Bordetella</i> species
A379	Whooping cough, unspecified
A38	Scarlet fever
A390	Meningococcal meningitis
A391	Waterhouse-Friderichsen syndrome
A394	Meningococcaemia, unspecified
A395	Meningococcal heart disease
A398	Other meningococcal infections
A399	Meningococcal infection, unspecified
A403	Septicaemia due to <i>Streptococcus pneumoniae</i>
A409	Streptococcal septicaemia, unspecified
A412	Septicaemia due to unspecified staphylococcus
A413	Septicaemia due to <i>Haemophilus influenzae</i>
A414	Septicaemia due to anaerobes
A415	Septicaemia due to other Gram-negative organisms
A418	Other specified septicaemia
A419	Septicaemia, unspecified
A420	Pulmonary actinomycosis
A421	Abdominal actinomycosis

A422 Cervicofacial actinomycosis
A428 Other forms of actinomycosis
A429 Actinomycosis, unspecified
A46 Erysipelas
A480 Gas gangrene
A481 Legionnaires' disease
A483 Toxic shock syndrome
A488 Other specified bacterial diseases
A499 Bacterial infection, unspecified
A540 GC inf low GU tract without periurethral / acces gland abs
A542 Gonococcal pelviperitonitis and other gonococcal GU inf
A543 Gonococcal infection of eye
A544 Gonococcal infection of musculoskeletal system
A545 Gonococcal pharyngitis
A546 Gonococcal infection of anus and rectum
A548 Other gonococcal infections
B479 Mycetoma, unspecified
B950 Strept group A as cause of dis classified to other chapters
B951 Strept group B as cause of dis classified to other chapters
B952 Strept group D as cause of dis classified to other chapters
B953 Strep pneumoniae as cause of dis classif other chapters
B954 Other strep as cause of dis classified to other chapters
B956 Staph aureus as cause of dis classified to other chapters
B957 Other staph as cause of dis classified to other chapters
B958 Unspec staphy as cause of dis classif to other chapters
B962 Escherichia coli as cause of dis classified to other chaps
B963 Haemophilus influenzae as cause of dis class oth chaps
B964 Proteus (mirabilis)(morganii)cause of dis class oth chaps
B965 P.(aerugin)(mallei)(pseudomallei)caus dis class oth chap
B966 Bacillus fragilis as cause of dis classified to other chaps
B967 Clostridium perfringens as cause of dis class to oth chaps
B968 Other spec bact agents as cause of dis class oth chaps
G000 Haemophilus meningitis
G001 Pneumococcal meningitis
G002 Streptococcal meningitis
G003 Staphylococcal meningitis
G008 Other bacterial meningitis
G009 Bacterial meningitis, unspecified
G01 Meningitis in bacterial diseases classified elsewhere
G039 Meningitis, unspecified
G050 Encephalitis, myelitis & encephalomyelitis in bact dis CE
G060 Intracranial abscess and granuloma
G061 Intraspinal abscess and granuloma
G062 Extradural and subdural abscess, unspecified
H000 Hordeolum and other deep inflammation of eyelid
H010 Blepharitis
H040 Dacryoadenitis
H043 Acute and unspecified inflammation of lacrimal passages
H050 Acute inflammation of orbit
H100 Mucopurulent conjunctivitis
H102 Other acute conjunctivitis

H103	Acute conjunctivitis, unspecified
H105	Blepharoconjunctivitis
H109	Conjunctivitis, unspecified
H131	Conjunctivitis in infectious and parasitic diseases EC
H163	Interstitial and deep keratitis
H192	Keratitis and keratoconjunctivitis oth infec/parasit dis EC
H440	Purulent endophthalmitis
H481	Retrolbulbar neuritis in diseases classified elsewhere
H602	Malignant otitis externa
H603	Other infective otitis externa
H660	Acute suppurative otitis media
H661	Chronic tubotympanic suppurative otitis media
H662	Chronic atticofacial suppurative otitis media
H663	Other chronic suppurative otitis media
H664	Suppurative otitis media, unspecified
H669	Otitis media, unspecified
H678	Otitis media in other diseases classified elsewhere
H680	Eustachian salpingitis
H700	Acute mastoiditis
H702	Petrositis
H730	Acute myringitis
H830	Labyrinthitis
I308	Other forms of acute pericarditis
I309	Acute pericarditis, unspecified
I320	Pericarditis in bacterial diseases classified elsewhere
I328	Pericarditis in other diseases classified elsewhere
I330	Acute and subacute infective endocarditis
I339	Acute endocarditis, unspecified
I398	Endocarditis, valve unspec, in diseases class elsewhere
I400	Infective myocarditis
I410	Myocarditis in bacterial diseases classified elsewhere
I520	Other heart disorders in bacterial diseases EC
J010	Acute maxillary sinusitis
J011	Acute frontal sinusitis
J012	Acute ethmoidal sinusitis
J013	Acute sphenoidal sinusitis
J018	Other acute sinusitis
J019	Acute sinusitis, unspecified
J020	Streptococcal pharyngitis
J029	Acute pharyngitis, unspecified
J039	Acute tonsillitis, unspecified
J051	Acute epiglottitis
J13	Pneumonia due to Streptococcus pneumoniae
J14	Pneumonia due to Haemophilus influenzae
J150	Pneumonia due to Klebsiella pneumoniae
J151	Pneumonia due to Pseudomonas
J152	Pneumonia due to staphylococcus
J153	Pneumonia due to streptococcus, group B
J154	Pneumonia due to other streptococci
J155	Pneumonia due to Escherichia coli
J156	Pneumonia due to other aerobic Gram-negative bacteria

J158	Other bacterial pneumonia
J159	Bacterial pneumonia, unspecified
J170	Pneumonia in bacterial diseases classified elsewhere
J178	Pneumonia in other diseases classified elsewhere
J180	Bronchopneumonia, unspecified
J188	Other pneumonia, organism unspecified
J209	Acute bronchitis, unspecified
J36	Peritonsillar abscess
J390	Retropharyngeal and parapharyngeal abscess
J40	Bronchitis, not specified as acute or chronic
J44	Other chronic obstructive pulmonary disease
J47	Bronchiectasis
J852	Abscess of lung without pneumonia
J853	Abscess of mediastinum
J860	Pyothorax with fistula
J869	Pyothorax without fistula
J950	Tracheostomy malfunction
J985	Diseases of mediastinum, not elsewhere classified
K040	Pulpitis
K046	Periapical abscess with sinus
K047	Periapical abscess without sinus
K050	Acute gingivitis
K052	Acute periodontitis
K102	Inflammatory conditions of jaws
K113	Abscess of salivary gland
K122	Cellulitis and abscess of mouth
K350	Acute appendicitis with generalized peritonitis
K351	Acute appendicitis with peritoneal abscess
K359	Acute appendicitis, unspecified
K36	Other appendicitis
K37	Unspecified appendicitis
K571	Diverticular dis of small intestine without perf or abscess
K572	Diverticular dis of large intestine with perf and abscess
K610	Anal abscess
K630	Abscess of intestine
K650	Acute peritonitis
K658	Other peritonitis
K659	Peritonitis, unspecified
K671	Gonococcal peritonitis
K678	Other disorders of peritoneum in infectious diseases EC
K681	Not in standard ICD10
K750	Abscess of liver
K751	Phlebitis of portal vein
K800	Calculus of gallbladder with acute cholecystitis
K801	Calculus of gallbladder with other cholecystitis
K804	Calculus of bile duct with cholecystitis
K810	Acute cholecystitis
K818	Other cholecystitis
K822	Perforation of gallbladder
K830	Cholangitis
K832	Perforation of bile duct

K85	Acute pancreatitis
K908	Other intestinal malabsorption
K914	Colostomy and enterostomy malfunction
K942	Not in standard ICD10
L00	Staphylococcal scalded skin syndrome
L010	Impetigo [any organism] [any site]
L020	Cutaneous abscess, furuncle and carbuncle of face
L021	Cutaneous abscess, furuncle and carbuncle of neck
L022	Cutaneous abscess, furuncle and carbuncle of trunk
L023	Cutaneous abscess, furuncle and carbuncle of buttock
L024	Cutaneous abscess, furuncle and carbuncle of limb
L028	Cutaneous abscess, furuncle and carbuncle of other sites
L029	Cutaneous abscess, furuncle and carbuncle, unspecified
L030	Cellulitis of finger and toe
L031	Cellulitis of other parts of limb
L032	Cellulitis of face
L033	Cellulitis of trunk
L038	Cellulitis of other sites
L039	Cellulitis, unspecified
L049	Acute lymphadenitis, unspecified
L080	Pyoderma
L088	Other spec local infections of skin and subcutaneous tissue
L089	Local infection of skin and subcutaneous tissue, unspecified
L89	Decubitus ulcer
M009	Pyogenic arthritis, unspecified
M010	Meningococcal arthritis
M013	Arthritis in other bacterial diseases classified elsewhere
M600	Infective myositis
M608	Other myositis
M725	Fasciitis, not elsewhere classified
M861	Other acute osteomyelitis
M866	Other chronic osteomyelitis
M869	Osteomyelitis, unspecified
M902	Osteopathy in other infectious diseases classified elsewhere
N10	Acute tubulo-interstitial nephritis
N12	Tubulo-interstitial nephritis not spec as acute or chronic
N151	Renal and perinephric abscess
N300	Acute cystitis
N302	Other chronic cystitis
N308	Other cystitis
N309	Cystitis, unspecified
N338	Bladder disorders in other diseases classified elsewhere
N340	Urethral abscess
N351	Postinfective urethral stricture, not elsewhere classified
N378	Other urethral disorders in diseases classified elsewhere
N390	Urinary tract infection, site not specified
N410	Acute prostatitis
N412	Abscess of prostate
N413	Prostatocystitis
N418	Other inflammatory diseases of prostate
N419	Inflammatory disease of prostate, unspecified

N431 Infected hydrocele
 N450 Orchitis, epididymitis and epididymo-orchitis with abscess
 N459 Orchitis epididymitis and epididymo-orchitis without absces
 N481 Balanoposthitis
 N482 Other inflammatory disorders of penis
 N490 Inflammatory disorders of seminal vesicle
 N499 Inflammatory disorder of unspecified male genital organ
 N510 Disorders of prostate in diseases classified elsewhere
 N511 Disorders of testis and epididymis in diseases EC
 N518 Other disorders of male genital organs in diseases EC
 N61 Inflammatory disorders of breast
 N700 Acute salpingitis and oophoritis
 N701 Chronic salpingitis and oophoritis
 N709 Salpingitis and oophoritis, unspecified
 N710 Acute inflammatory disease of uterus
 N719 Inflammatory disease of uterus, unspecified
 N72 Inflammatory disease of cervix uteri
 N730 Acute parametritis and pelvic cellulitis
 N731 Chronic parametritis and pelvic cellulitis
 N733 Female acute pelvic peritonitis
 N739 Female pelvic inflammatory disease, unspecified
 N743 Female gonococcal pelvic inflammatory disease
 N751 Abscess of Bartholin's gland
 N760 Acute vaginitis
 N764 Abscess of vulva
 O030 Incomplete spont abort comp by genital tract & pelvic infec
 O035 Complete or unsp spont abort comp by gen tract & pelvic infn
 O040 Incomplete med abort comp by genital tract & pelvic infec
 O045 Complete or unspec med abort comp by gen tract & pelvic infn
 O050 Incomplete other abortion comp by genital tract & pelvic inf
 O055 Complete/unsp other abortion comp by gen tract & pelvic infn
 O060 Incomplete unspec abortion comp by genital tract & pelvic in
 O065 Unspec abort, complete/unspec comp by gen tract & pelvic inf
 O070 Failed medical abortion complic by genital tract/pelvic infn
 O080 Gen tract and pelv infect follow abort/ectop and molar preg
 O234 Unspecified infection of urinary tract in pregnancy
 O235 Infections of the genital tract in pregnancy
 O239 Other and unspec genitourinary tract infection in pregnancy
 O268 Other specified pregnancy-related conditions
 O269 Pregnancy-related condition, unspecified
 O411 Infection of amniotic sac and membranes
 O645 Obstructed labour due to compound presentation
 O753 Other infection during labour
 O754 Other complications of obstetric surgery and procedures
 O758 Other specified complications of labour and delivery
 O85 Puerperal sepsis
 O861 Other infection of genital tract following delivery
 O862 Urinary tract infection following delivery
 O908 Other complications of the puerperium
 O910 Infection of nipple associated with childbirth
 O911 Abscess of breast associated with childbirth

O912	Nonpurulent mastitis associated with childbirth
O982	Gonorrhoea comp pregnancy, childbirth and the puerperium
O988	Oth mat infect/ parasitic dis comp preg childbirth/puerprum
O989	Unspec mat infect parasit dis comp preg childbth/puerprum
P38	Omphalitis of newborn with or without mild haemorrhage
P390	Neonatal infective mastitis
P398	Other specified infections specific to the perinatal period
P77	Necrotizing enterocolitis of fetus and newborn
R02	Gangrene, not elsewhere classified
R651	Not in standard ICD10
T802	Infections following infusion transfusion & therap inject
T814	Infection following a procedure, not elsewhere classified
T826	Infect and inflammatory reaction due to cardiac valve pros
T827	Infect inflam react due other card vasc devs implant and graft
T835	Infect inflam react due pros dev implt & graft urinary syst
T845	Infect and inflammatory reaction due to internal joint pros
T846	Infect and inflam react due int fixation dev [any site]
T857	Inf inflam react due oth int prosth devs implants & grafts
T858	Other comps int prosthetic devs implants & grafts NEC