



national casemix and  
classification centre

## ICD-10-AM, ACHI and ACS Eighth Edition Forecast

February 2013

The National Casemix and Classification Centre (NCCC) is pleased to advise that production of ICD-10-AM/ACHI/ACS Eighth Edition is on track for publication and implementation for use across Australia for inpatient separations from 1 July 2013. Eighth Edition products include:

- ICD-10-AM/ACHI/ACS hard copy books, with optional slipcases
- ICD-10-AM/ACHI/ACS electronic version – CodeXpert
  - available as both standalone version and network version
  - includes CHADx (Classification of Hospital Acquired Diagnoses) and Chronicle of changes for ICD-10-AM/ACHI/ACS from First to Eighth Edition
- ICD-10-AM and ACHI electronic code list (ECL); an ASCII comma delimited file
- CHADx updated for Eighth Edition
- Eighth Edition Chronicle of changes for ICD-10-AM/ACHI/ACS from First to Eighth Edition
  - standalone version (available for download on NCCC web site) and also included in CodeXpert
- mapping tables between Seventh Edition and Eighth Edition

Changes to the classification for Eighth Edition were sourced from: updates to WHO publications, ICD-10 and ICD-O; revisions to the Medicare Benefits Schedule (MBS) and the Australian Schedule of Dental Services and Glossary; and NCCC tasks, including public submissions and coding queries.

Clinical and technical advice on the Eighth Edition content were provided by members of the NCCC ICD Technical Group (ITG), the NCCC Diagnosis Related Group (DRG) Technical Group (DTG) and the NCCC Clinical Technical Groups (CTGs) representing various clinical specialties. These groups include the following representation: expert clinical coders from each state/territory and private hospitals, Health Information Management Association of Australia (HIMAA), and other relevant professional stakeholders and organisations; clinicians nominated by medical/surgical/clinical colleges and societies; staff from the Australian Institute of Health and Welfare (AIHW), the Commonwealth Department of Health and Ageing (DoHA) and the Independent Hospital Pricing Authority (IHPA).

### Summary statistics – ICD-10-AM/ACHI/ACS Eighth Edition

#### ICD-10-AM, number of valid disease codes (excluding morphology):

Total number of disease codes: 16708

Total number of new disease codes: 83

Total number of deleted disease codes: 20

#### ICD-10-AM – Morphology codes, number of morphology codes:

Total number of morphology codes: 2827

Total number of new morphology codes: 427

Total number of deleted morphology codes: 12

**Australian Classification of Health Interventions (ACHI), number of codes:**

Total number of ACHI codes: 6362  
 Total number of new ACHI codes: 102  
 Total number of deleted ACHI codes: 24  
 Total number of new blocks: 2  
 Total number of deleted blocks: 0

**Australian Coding Standards (ACS)**

Number of new standards: 2  
 Number of deleted standards: 20  
 Number of modified standards: 52

**Eighth Edition changes to ICD-10-AM (*International Statistical Classification of Diseases and Related Health Problems*)**

The changes to ICD-10-AM were derived from NCCC tasks including public submissions and coding queries, as well as, WHO ICD-10 Update and Revision Committee (URC) changes (Seoul 2009, Toronto 2010 and Cape Town 2011) and WHO ICD-Oncology, Third Edition (ICD-O-3) updates.

Major changes to ICD-10-AM Eighth Edition have been made to the classification of:

- Dagger and asterisk (WHO URC 2008)
- Diabetes mellitus and intermediate hyperglycaemia (implemented 1 July 2012)
- Morphology
  - ICD-O-3 updates
  - Codes added to Appendix A to reflect known (reported) behavioural changes (Australasian Association of Cancer Registries)
- Neonatal
  - Cerebral leukomalacia
  - Hypoxic ischaemic encephalopathy (HIE)
  - Periventricular haemorrhage
- Sunburn
- Tumour of uncertain/unknown behaviour of pancreas
- Viral hepatitis
- New appendix C for CHADx (Classification of Hospital Acquired Diagnoses)
- WHO ICD-10 Updates
  - expansion of:
    - I48 – Atrial fibrillation and flutter
    - J96 – Respiratory failure, not elsewhere classified
    - R95 – Sudden infant death syndrome
    - Z06 – Resistance to antimicrobial drugs
  - Haemorrhoids:
    - deleted category I84 *Haemorrhoids*
    - created category K64 *Haemorrhoids and perianal venous thrombosis*
  - new codes
    - I72.6 *Aneurysm and dissection of vertebral artery*
    - K02.5 *Caries with pulp exposure*
    - K43.2 *Incisional hernia without obstruction or gangrene*
    - K43.3 *Parastomal hernia with obstruction, without gangrene*
    - K43.4 *Parastomal hernia with gangrene*
    - K43.5 *Parastomal hernia without obstruction or gangrene*
    - K43.6 *Other and unspecified ventral hernia with obstruction, without gangrene*
    - K43.7 *Other and unspecified ventral hernia with gangrene*
    - K64.0 *First degree haemorrhoids*
    - K64.1 *Second degree haemorrhoids*
    - K64.2 *Third degree haemorrhoids*
    - K64.3 *Fourth degree haemorrhoids*
    - K64.4 *Residual haemorrhoidal skin tags*

- K64.5 *Perianal venous thrombosis*
- K64.8 *Other specified haemorrhoids*
- K64.9 *Haemorrhoids, unspecified*
- U06.- *Emergency use of U06.-*
- U07.- *Emergency use of U07.-*
- W17.5 *Fall from mobile elevated work platform [MEWP]*
- new terminology
  - Acute non-viral hepatitis
  - Coronary slow flow syndrome
  - Immune reconstitution inflammatory syndrome [IRIS]
  - Influenza due to certain identified influenza virus
  - Kimura disease
  - Malignant immunoproliferative diseases
  - Overactive bladder
- change of classification for:
  - Acute appendicitis with peritonitis
  - Angiocentric immunoproliferative lesion
  - Coccygeal body or glomus neoplasm
  - Cystic fibrosis
  - Eyeball/intraocular neoplasm
  - Dermatitis gangrenosa
  - Pre-eclampsia and pre-eclampsia superimposed on chronic hypertension
  - Reticular erythematous mucinosis
  - Functional dyspepsia
  - Klatskin tumour
  - Lupoid hepatitis (K75.4)
  - Mediterranean fever (A23.9)
  - Obstetric laceration of mid or upper third of vaginal wall
  - Poisoning by helium, nonmedicinal
  - Progressive supranuclear palsy (G23.1)

As a result of public submissions minor changes to ICD-10-AM Eighth Edition have been made to the classification of:

- Anhedonia
- Choroid plexus carcinoma
- Dependence on respirator
- Detrusor sphincter dyssynergia
- Donation of haematopoietic progenitor stem cells
- Duration of pregnancy
- Enterococcus
- Ear tag
- External cause for cut by object
- Major depressive disorder
- Molar pregnancy
- Morganella morganii
- Mucous colitis
- Musculoskeletal chest pain
- Nephritis complicating pregnancy
- Non-small cell lung carcinoma
- Ogilvie syndrome
- Pneumonia due to gram negative bacteria
- Pruritis in pregnancy
- Quadrant anopia
- ACS 0803 *Admission for removal of grommets* cross reference

As a result of NCCC tasks (most derived from coding queries) minor changes to ICD-10-AM Eighth Edition have been made to the classification of:

- Bile reflux
- Bladder neck obstruction (ACS 1420 deletion)
- Blue rubber bleb naevus syndrome
- Cellulitis
- Charcot's arthropathy
- Escitalopram oxalate
- Food poisoning and gastroenteritis due to food poisoning
- Haglund's deformity
- Healthcare associated Staphylococcus aureus bacteraemia (SAB)
- Idiopathic infantile arterial calcification (IIAC)
- Immune reconstitution syndrome
- Lymphoid/lymphomatoid granulomatosis
- Neonatal jaundice
- Neoplasm index table, point 4
- Osteophyte facet joint
- Sequestration intervertebral disc
- Succinic semialdehyde dehydrogenase (SSADH) deficiency
- Telangiectatic focal nodular hyperplasia of liver
- Thickened endometrium
- Dissociative versus dissociate disorders
- Pheochromocytoma versus pheochromocytoma
- Posthaemorrhagic hydrocephalus (neonatal)
- S56.0 & S56.1 (code title discrepancy – 'long')
- Trisomy syndrome
- Standardisation of references to 'category', 'subcategory', 'digit'
- Replacement of commas with slashes (eg Index pathway references)
- Replacement of symbols for alpha, beta and gamma with text 'alpha', 'beta' and 'gamma' respectively.

As a result of WHO ICD-10 updates minor changes to ICD-10-AM Eighth Edition have been made to the classification of:

- Cat eye syndrome
- Cervical intraepithelial lesion (ICD-O-3 update)
- Contact, with, machinery
- Diarrhoea due to Clostridium difficile
- Drug induced gastroenteritis and colitis
- Fall, from, stationary machinery
- Hepatogenous diabetes
- Hydrocele
- Infection due to internal joint prosthesis
- Infection of skin
- March fracture
- Monoclonal macroglobulinaemia
- Nasoalveolar/nasolabial cyst
- Neoplasm of urethrovaginal septum
- Obesity hypoventilation syndrome
- Rasmussen encephalitis or syndrome
- Schuller-Christian disease or syndrome
- Telangiectasia

## **Eighth Edition changes to ACHI (*Australian Classification of Health Interventions*)**

The changes to ACHI were derived from public submissions, NCCC tasks (including coding queries) as well as revisions to the MBS (March, July and August 2009; January, May, July and November 2010; January and July 2011) and revisions to the Australian Schedule of Dental Services and Glossary (Ninth Edition).

Major changes to ICD-10-AM Eighth Edition have been made to the classification of:

- Aspiration thrombectomy of the coronary artery
- CT scan of coronary arteries
- Dental services
- Flexible bronchoscopy with broncho-alveolar lavage
- Insertion of fiducial markers into prostate
- High intensity focussed ultrasound (HIFUS)
- Necklift
- Overnight oximetry
- Percutaneous heart valve replacement
- Sacral nerve stimulation
- Sentinel lymph node biopsy
- Single event multilevel surgery (SEMLS)
- Transcatheter thrombectomy of intracranial arteries
- Endoluminal fundoplication (ELF)
- Ileocolic resection
- Irreversible electroporation (IRE)
- Laparoscopic colectomy
- Laparoscopic procedures proceeding to open surgery
- Peritonectomy/cytoreduction surgery
- Procedures for obesity (bariatric surgery)
- Neonatal
  - Administration of nitric oxide
  - Combined ventilatory support
  - Neonatal high flow
  - Therapeutic hypothermia

As a result of public submissions minor changes to ACHI Eighth Edition have been made to the classification of:

- Allied health intervention, diabetes education
- Balloon dilation for stricture of oesophagus
- Cystoscopy with passage of sounds
- Excision, teratoma, mediastinum, via sternotomy
- Exploratory laparotomy
- Injection into spinal nerve
- Malone antegrade continence enema (MACE)
- Matrix autologous chondrocyte implantation (MACI)
- Mucosal resection of polyp
- Open door laminoplasty
- Percutaneous biopsy of retroperitoneal mass
- Pipelle aspiration of endometrium
- Renal denervation for treatment-resistant hypertension
- Transoesophageal ultrasound of heart performed during cardiac surgery
- AR-DRG specific public submissions:
  - Direct closure of innominate artery
  - Fat graft in spinal surgery
  - Injection into breast tissue expander

As a result of NCCC tasks (most derived from coding queries) minor changes to ACHI Eighth Edition have been made to the classification of:

- Aspiration of peritonsillar abscess
- Avastin® injection for parafoveal telangiectasia
- Cisternography
- Closed reduction of acetabulum
- Descemet's stripping endothelial keratoplasty (DSEK)
- Electrochemotherapy
- Gliadel® wafer insertion
- McCall's culdoplasty
- McRobert's manoeuvre
- Molecular adsorbent recirculating system (MARS)
- PTQ® Injections
- Radiofrequency ablation of stellate ganglion
- Reoperation of arteries of veins of neck, abdomen or limb
- Transanal endoscopic microsurgery (TEMS)
- Vaginal vault suspension

As a result of MBS updates minor changes to ACHI Eighth Edition have been made to the classification of:

- Artificial bowel sphincter procedures
- Electrophysiological testing
- Endoscopic laser therapy of oesophagus
- Endoscopic ultrasound
- Excision of exostoses
- Injection of Poly-L-lactic acid
- MRI rectum
- Removal of nasopharyngeal tumour
- Reproductive medicine procedures
- CodeXpert development highlighted areas in the ACHI index that required change, including:
  - Amputation, arm
  - Arthroplasty, digit
  - Arthroscopy, wrist with release of adhesions
  - Drainage retroperitoneal haematoma
  - Gastrointestinal endoscopic administration of agent
  - Graft, bone, vertebra
  - Induction, labour, medical
  - Ostectomy, mandible, multiple procedures
  - Procedure, bladder, neck, retropubic, laparoscopic
  - Removal kidney, transplanted
  - Reopening, thyroid field wound
  - Repair, laceration, cornea
  - Resection artery, coronary
  - Resection, turbinates
  - Suture, pelvic floor/perineum
  - Replacement of cardiac electrode
  - Strassman procedure
  - Tattooing by colonoscopy and panendoscopy
  - Replacement of commas with slashes (eg Index pathway references)

## Eighth Edition changes to ACS (*Australian Coding Standards*)

There have been 52 ACS amended for ACS Eighth Edition. These changes may be derived from public submissions directly suggesting a change to the ACS but more often are a result of processing ICD-10-AM and ACHI public submissions.

New standards:

- ACS 0742 *Orbital and periorbital cellulitis*
- ACS 2114 *Prophylactic surgery*

Standards that have had **major** revision:

- ACS 0019 *Procedure not completed or interrupted*
- ACS 0020 *Bilateral/multiple procedures* [multiple skin biopsies]
- ACS 0048 *Condition onset flag*
- ACS 0104 *Viral hepatitis*
- ACS 0402 *Cystic fibrosis*
- ACS 0229 *Radiotherapy*
- ACS 0925 *Hypertension and related conditions* [combined 4 standards]
- ACS 1204 *Plastic surgery*
- ACS 1404 *Admission for kidney dialysis*
- ACS 1438 *Chronic kidney disease*
- ACS 1615 *Specific interventions for the sick neonate*
- ACS 1911 *Burns*

Standards that have had **significant** revision include:

- ACS 0001 *Principal diagnosis*
- ACS 0002 *Additional diagnosis*
- ACS 0042 *Procedures normally not coded*
- ACS 0102 *HIV/AIDS*
- ACS 0111 *Healthcare associated Staphylococcus aureus bacteraemia*
- ACS 0112 *Infection with drug resistant microorganisms*
- ACS 0233 *Morphology*
- ACS 0236 *Neoplasm coding and sequencing*
- ACS 0401 *Diabetes mellitus and intermediate hyperglycaemia* [implemented 1 July 2012]
- ACS 0402 *Cystic fibrosis*
- ACS 0505 *Mental illness complicating pregnancy*
- ACS 1006 *Ventilatory support*
- ACS 1435 *Female genital mutilation*
- ACS 1551 *Obstetric perineal lacerations/grazes*
- ACS 1904 *Procedural complications*
- ACS 1907 *Multiple injuries*
- ACS 1915 *Spinal (cord) injury* (includes traumatic paraplegia and quadriplegia)
- ACS 2001 *External cause code use and sequencing*
- all references to websites, books and METeOR have been updated throughout the ACS
- Replacement of commas with slashes for index pathway and other cross references

Standards that have had **minor** revision include:

- ACS 0005 *Syndromes*
- ACS 0025 *Double coding*
- ACS 0026 *Admission for clinical trial, drug challenge or therapeutic drug monitoring*
- ACS 0110 *Sepsis, severe sepsis and septic shock*
- ACS 0526 *Münchhausen's by proxy*
- ACS 0530 *Drug overdose*
- ACS 0532 *Cognitive impairment*
- ACS 0533 *Electroconvulsive therapy (ECT)*
- ACS 0625 *Quadriplegia and paraplegia, nontraumatic*
- ACS 0936 *Cardiac pacemakers and implanted defibrillators*

- ACS 0940 *Ischaemic heart disease*
- ACS 0941 *Arterial disease*
- ACS 1008 *Chronic obstructive pulmonary disease*
- ACS 1103 *Gastrointestinal (GI) haemorrhage*
- ACS 1122 *Helicobacter pylori*
- ACS 1221 *Decubitus ulcer and pressure area*
- ACS 1520 *Multiple births*
- ACS 1605 *Conditions originating in the perinatal period*
- ACS 1607 *Newborn/neonate*
- ACS 1610 *Sudden infant death syndrome/acute life threatening event*
- ACS 1922 *Crushing injury*
- ACS 2105 *Long term/nursing home type inpatients*

Deleted standards:

- ACS 0027 *Multiple coding*
- ACS 0219 *Mastectomy for malignancy on biopsy*
- ACS 0511 *Panic attacks with phobia*
- ACS 0517 *Noncompliance with treatment*
- ACS 0612 *Skull base surgery*
- ACS 0723 *Corneal rust ring*
- ACS 0926 *Hypertensive heart disease*
- ACS 0927 *Hypertensive heart and kidney disease*
- ACS 0928 *Secondary hypertension*
- ACS 0942 *Banding of haemorrhoids*
- ACS 1205 *Blepharoplasty*
- ACS 1210 *Cellulitis*
- ACS 1420 *Bladder neck incision for benign prostatic hypertrophy*
- ACS 1426 *Dialysis amyloid*
- ACS 1530 *Premature labour and delivery*
- ACS 1616 *Hypoxic ischaemic encephalopathy (HIE)*
- The following four standards were deleted from the ACS and incorporated into the introductory content in ICD-10-AM and ACHI:
  - ACS 0033 *Conventions used in the tabular list of diseases*
  - ACS 0034 *Conventions used in the alphabetic index of diseases*
  - ACS 0040 *Conventions used in the tabular list of interventions*
  - ACS 0041 *Conventions used in the alphabetic index of interventions*