

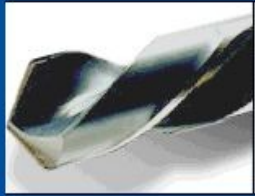


AHRQ Clinical Classification System (CCS)

Tool For Grouping ICD 9 Diagnosis And Procedure Clinical Codes For Faster PCA Analysis

**CCS Installed into Patient Care Analyst (PCA) Tabs
Using FFY 2006 ICD9 Codes**

Issued 12/21/2005



PatientCareAnalyst™

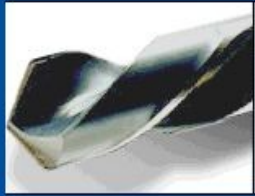
Your Tool to Drill Down to the Most
Detailed Patient-Level Information Available

What Is CCS?

Developed at the Agency for Healthcare Research and Quality (AHRQ), the Clinical Classifications Software (CCS) is a tool for clustering patient diagnoses and procedures into a manageable number of clinically meaningful categories.

CCS offers researchers the ability to group conditions and procedures without having to sort through thousands of codes. This "clinical grouper" makes it easier to quickly understand patterns of diagnoses and procedures so that health plans, policy makers, and researchers can analyze costs, utilization, and outcomes associated with particular illnesses and procedures.

CCS collapses diagnosis and procedure codes from the *international classification of diseases, 9th revision, clinical modification* (ICD-9-CM), which contains more than 12,000 diagnosis codes and 3,500 procedure codes. Without the CCS tool, the large number of ICD-9-CM codes makes statistical analysis and reporting difficult and time-consuming.



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How Is CCS Used?

Clinical Classifications Software can be used with all clinical data that are coded using ICD-9-CM codes. CCS is used in a variety of ways:

1. Managed care plans utilize CCS to rank hospitalizations by type of condition. One managed care plan used CCS to examine numbers of cases, length of stay, and total costs, to better understand which conditions and procedures were associated with the highest resource use.
2. Insurers use CCS to develop clinically-based utilization profiles. For example, one insurer integrated CCS into in-house software that develops profiles of patient populations and purchasers.
3. Researchers use CCS to explore the types of conditions and procedures that are most frequent in their study populations or to compare alternative treatments for similar conditions.
4. Researchers also use CCS in risk adjustment models and as a way to predict future health resource utilization. Investigators in one study found that categorizing patients using CCS predicted more than 40 percent of the subsequent year's medical expenses.



How Does CCS Work?

CCS consists of two related classification systems, single-level and multi-level, which are designed to meet different needs. Single-level CCS is most useful for ranking of diagnoses and procedures and for direct integration into risk adjustment and other software.

Multi-level CCS is most useful when evaluating larger aggregations of conditions and procedures or exploring them in greater detail. [CCS documentation](#) provides a listing of the ICD-9-CM codes that are included in each CCS diagnosis and procedure category.

Single-level CCS This system classifies all diagnoses and procedures into unique groups.

- **The single-level *diagnosis* CCS aggregates illnesses and conditions into 259 mutually exclusive categories.**

Most of these categories are homogeneous; for example, CCS category #1 is "Tuberculosis."

Some CCS categories combine several less common, individual conditions, such as CCS category #3, which is "Other Bacterial Infections." Examples of single-level CCS diagnosis categories are illustrated in Table 1.

Table 1. Examples of single-level CCS diagnosis categories

- 98. Essential hypertension
- 99. Hypertension with complications and secondary hypertension
- 100. Acute myocardial infarction
- 101. Coronary atherosclerosis and other heart disease.

- **Similarly, the single-level *procedure* CCS aggregates procedures into 231 mutually exclusive categories, most representing single types of procedures.**

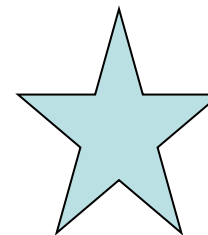
Some procedures that occur infrequently are grouped together by their clinical or administrative characteristics (for example, operating room vs. nonoperating room). Examples of single-level CCS procedure categories are shown in Table 2.

Table 2. Examples of single-level CCS procedure categories

- 43. Heart valve procedures
- 44. Coronary artery bypass graft (CABG)
- 45. Percutaneous transluminal coronary angioplasty (PTCA)
- 46. Coronary thrombolysis.



**259
SINGLE-LEVEL
CCS
DIAGNOSIS
CATEGORIES**



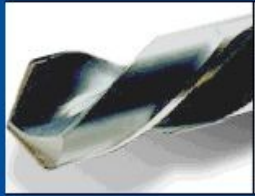
Using FFY 2006
(Oct 2005 to Sept 2006)
ICD9 Codes



Integrating CCS ICD9 Diagnosis sets into PCA

We have installed the 259 AHRQ Clinical Classification single diagnosis data sets into the standard PCA enhancing the ICD9 Diagnosis “Tab” for your ease of use and consistent analysis.

- See the next page of this document for a PCA screenshot of this new analytic feature.
- The following pages-- then provide you a complete list of the 259 Diagnosis Sets stored within your PCA system for your use.
- **When you select an AHRG diagnosis, the PCA system automatically selects all the ICD9 codes associated with this term for you- in the same manner that your other saved” Groups” perform this function.**



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Accessing the 259 AHRQ stored CCS diagnosis sets

PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title: Example AHRQ ICD9 Procedures

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source Time Period Provider DRG ZIP ICD9-Diag ICD9-Proc Atten Phys Oper Phys

Select/Deselect Group by Typing or Mouse Click Current Selection

*AHRQ - Abdom hernia

*AHRQ - 2ndary malign

*AHRQ - Abdom hernia

*AHRQ - Abdominal pain

Select/Deselect Value by Typing or Mouse Click

550.00

ICD-9 Diag	Description
550.00	UNIL INGUINAL HERNIA W
550.01	RECURR UNIL INGUINAL HE
550.02	BILAT INGUINAL HERNIA W
550.03	RECURR BIL INGUINAL HE
550.04	INGUIN HERNIA W OBSTR
550.10	UNIL INGUINAL HERNIA W
550.11	RECURR UNIL INGUINAL H
550.12	BILAT INGUINAL HERNIA W
550.13	RECURR BIL INGUINAL HE

Group Name	Value	Value Name
*AHRQ - Abdom hernia		

←

Save Group Delete Group Deselect All

Level Search From 1 To 1

Location for Stored AHRQ Data Sets



Reminder- “How do I list and Print the complete ICD9 data list for a single CCS set?”

PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title: Example AHRQ ICD9 Dx

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source Time Period Provider DRG ZIP ICD9-Diag ICD9-Proc Atten Phys Oper Phys

Select/Deselect Group by Typing or Mouse Click

Current Selection

Group Name	Value	Value Name
*AHRQ - 2ndary malig		
196.0		MAL NEO LYMPH-I
196.1		MAL NEO LYMPH-II
196.2		MAL NEO LYMPH-III
196.3		MAL NEO LYMPH-IV
196.5		MAL NEO LYMPH-V
196.6		MAL NEO LYMPH-VI
196.8		
196.9		
197.0		SECONDARY MALL
197.1		SEC MAL NEO ME

Select/Deselect Value by Typing or Mouse Click

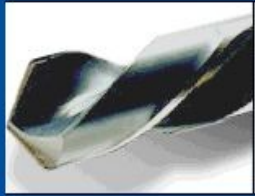
196.0

ICD-9 Diag	Description
196.0	SEC M&LIG NEO LYMPH-I
196.1	SEC M&LIG NEO LYMPH-II
196.2	SEC M&LIG NEO LYMPH-III
196.3	SEC M&LIG NEO LYMPH-IV
196.5	SEC M&LIG NEO LYMPH-V
196.6	SEC M&LIG NEO LYMPH-VI
196.8	SEC M&LIG NEO LYMPH-VII
196.9	SEC M&LIG NEOPLASML
197	SEC M&LIG NEO RESPDIK

Level Search From 1 To 1

Save Group Delete Group Deselect A

How to list and print all the ICD9 Dx in a CCS set



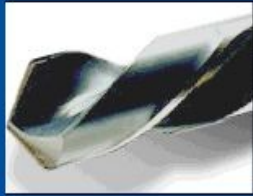
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CATEGORIES of SINGLE-LEVEL CCS DIAGNOSIS CATEGORY LABELS

- 1 Tuberculosis
- 2 Septicemia (except in labor)
- 3 Bacterial infection; unspecified site
- 4 Mycoses
- 5 HIV infection
- 6 Hepatitis
- 7 Viral infection
- 8 Other infections; including parasitic
- 9 Sexually transmitted infections (not HIV or hepatitis)
- 10 Immunizations and screening for infectious disease
- 11 Cancer of head and neck
- 12 Cancer of esophagus
- 13 Cancer of stomach
- 14 Cancer of colon
- 15 Cancer of rectum and anus
- 16 Cancer of liver and intrahepatic bile duct
- 17 Cancer of pancreas
- 18 Cancer of other GI organs; peritoneum
- 19 Cancer of bronchus; lung
- 20 Cancer; other respiratory and intrathoracic
- 21 Cancer of bone and connective tissue
- 22 Melanomas of skin
- 23 Other non-epithelial cancer of skin
- 24 Cancer of breast
- 25 Cancer of uterus
- 26 Cancer of cervix
- 27 Cancer of ovary

- 28 Cancer of other female genital organs
- 29 Cancer of prostate
- 30 Cancer of testis
- 31 Cancer of other male genital organs
- 32 Cancer of bladder
- 33 Cancer of kidney and renal pelvis
- 34 Cancer of other urinary organs
- 35 Cancer of brain and nervous system
- 36 Cancer of thyroid
- 37 Hodgkin`s disease
- 38 Non-Hodgkin`s lymphoma
- 39 Leukemias
- 40 Multiple myeloma
- 41 Cancer; other and unspecified primary
- 42 Secondary malignancies
- 43 Malignant neoplasm without specification of site
- 44 Neoplasms of unspecified nature or uncertain behavior
- 45 Maintenance chemotherapy; radiotherapy
- 46 Benign neoplasm of uterus
- 47 Other and unspecified benign neoplasm
- 48 Thyroid disorders
- 49 Diabetes mellitus without complication
- 50 Diabetes mellitus with complications
- 51 Other endocrine disorders
- 52 Nutritional deficiencies
- 53 Disorders of lipid metabolism
- 54 Gout and other crystal arthropathies
- 55 Fluid and electrolyte disorders
- 56 Cystic fibrosis
- 57 Immunity disorders
- 58 Other nutritional; endocrine; and metabolic disorders
- 59 Deficiency and other anemia
- 60 Acute posthemorrhagic anemia
- 61 Sickle cell anemia
- 62 Coagulation and hemorrhagic disorders
- 63 Diseases of white blood cells
- 64 Other hematologic conditions

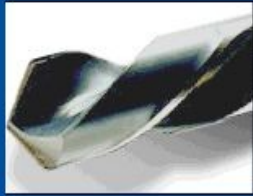


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CATEGORIES of SINGLE-LEVEL CCS DIAGNOSIS CATEGORY LABELS

- 65 Mental retardation
- 66 Alcohol-related mental disorders
- 67 Substance-related mental disorders
- 68 Senility and organic mental disorders
- 69 Affective disorders
- 70 Schizophrenia and related disorders
- 71 Other psychoses
- 72 Anxiety; somatoform; dissociative; and personality disorders
- 73 Preadult disorders
- 74 Other mental conditions
- 75 Personal history of mental disorder; mental and behavioral problems; observation and screening for mental condition
- 76 Meningitis (except that caused by tuberculosis or sexually transmitted disease)
- 77 Encephalitis (except that caused by tuberculosis or sexually transmitted disease)
- 78 Other CNS infection and poliomyelitis
- 79 Parkinson's disease
- 80 Multiple sclerosis
- 81 Other hereditary and degenerative nervous system conditions
- 82 Paralysis
- 83 Epilepsy; convulsions
- 84 Headache; including migraine
- 85 Coma; stupor; and brain damage
- 86 Cataract
- 87 Retinal detachments; defects; vascular occlusion; and retinopathy
- 88 Glaucoma
- 89 Blindness and vision defects
- 90 Inflammation; infection of eye (except that caused by tuberculosis or sexually transmitted disease)
- 91 Other eye disorders
- 92 Otitis media and related conditions
- 93 Conditions associated with dizziness or vertigo
- 94 Other ear and sense organ disorders
- 95 Other nervous system disorders
- 96 Heart valve disorders
- 97 Peri-; endo-; and myocarditis; cardiomyopathy (except that caused by tuberculosis or sexually transmitted disease)
- 98 Essential hypertension
- 99 Hypertension with complications and secondary hypertension
- 100 Acute myocardial infarction
- 101 Coronary artery disease and other heart disease
- 102 Nonspecific chest pain
- 103 Pulmonary heart disease
- 104 Other and ill-defined heart disease
- 105 Conduction disorders
- 106 Cardiac dysrhythmias
- 107 Cardiac arrest and ventricular fibrillation
- 108 Congestive heart failure; nonhypertensive
- 109 Acute cerebrovascular disease
- 110 Occlusion or stenosis of precerebral arteries
- 111 Other and ill-defined cerebrovascular disease
- 112 Transient cerebral ischemia
- 113 Late effects of cerebrovascular disease
- 114 Peripheral and visceral atherosclerosis
- 115 Aortic; peripheral; and visceral artery aneurysms
- 116 Aortic and peripheral arterial embolism or thrombosis
- 117 Other circulatory disease
- 118 Phlebitis; thrombophlebitis and thromboembolism
- 119 Varicose veins of lower extremity
- 120 Hemorrhoids
- 121 Other diseases of veins and lymphatics
- 122 Pneumonia (except that caused by tuberculosis or sexually transmitted disease)
- 123 Influenza
- 124 Acute and chronic tonsillitis
- 125 Acute bronchitis
- 126 Other upper respiratory infections
- 127 Chronic obstructive pulmonary disease and bronchiectasis
- 128 Asthma
- 129 Aspiration pneumonitis; food/vomitus
- 130 Pleurisy; pneumothorax; pulmonary collapse
- 131 Respiratory failure; insufficiency; arrest (adult)
- 132 Lung disease due to external agents
- 133 Other lower respiratory disease
- 134 Other upper respiratory disease
- 135 Intestinal infection
- 136 Disorders of teeth and jaw
- 137 Diseases of mouth; excluding dental
- 138 Esophageal disorders

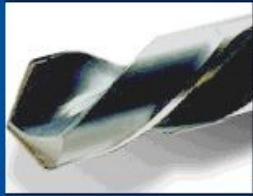


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CATEGORIES of SINGLE-LEVEL CCS DIAGNOSIS CATEGORY LABELS

- 139 Gastroduodenal ulcer (except hemorrhage)
- 140 Gastritis and duodenitis
- 141 Other disorders of stomach and duodenum
- 142 Appendicitis and other appendiceal conditions
- 143 Abdominal hernia
- 144 Regional enteritis and ulcerative colitis
- 145 Intestinal obstruction without hernia
- 146 Diverticulosis and diverticulitis
- 147 Anal and rectal conditions
- 148 Peritonitis and intestinal abscess
- 149 Biliary tract disease
- 150 Liver disease; alcohol-related
- 151 Other liver diseases
- 152 Pancreatic disorders (not diabetes)
- 153 Gastrointestinal hemorrhage
- 154 Noninfectious gastroenteritis
- 155 Other gastrointestinal disorders
- 156 Nephritis; nephrosis; renal sclerosis
- 157 Acute and unspecified renal failure
- 158 Chronic renal failure
- 159 Urinary tract infections
- 160 Calculus of urinary tract
- 161 Other diseases of kidney and ureters
- 162 Other diseases of bladder and urethra
- 163 Genitourinary symptoms and ill-defined conditions
- 164 Hyperplasia of prostate
- 165 Inflammatory conditions of male genital organs
- 166 Other male genital disorders
- 167 Nonmalignant breast conditions
- 168 Inflammatory diseases of female pelvic organs
- 169 Endometriosis
- 170 Prolapse of female genital organs
- 171 Menstrual disorders
- 172 Ovarian cyst
- 173 Menopausal disorders
- 174 Female infertility
- 175 Other female genital disorders
- 176 Contraceptive and procreative management
- 177 Spontaneous abortion
- 178 Induced abortion
- 179 Postabortion complications
- 180 Ectopic pregnancy
- 181 Other complications of pregnancy
- 182 Hemorrhage during pregnancy; abruptio placenta; placenta previa
- 183 Hypertension complicating pregnancy; childbirth and the puerperium
- 184 Early or threatened labor
- 185 Prolonged pregnancy
- 186 Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium
- 187 Malposition; malpresentation
- 188 Fetopelvic disproportion; obstruction
- 189 Previous C-section
- 190 Fetal distress and abnormal forces of labor
- 191 Polyhydramnios and other problems of amniotic cavity
- 192 Umbilical cord complication
- 193 OB-related trauma to perineum and vulva**
- 194 Forceps delivery
- 195 Other complications of birth; puerperium affecting management of mother
- 196 Normal pregnancy and/or delivery
- 197 Skin and subcutaneous tissue infections
- 198 Other inflammatory condition of skin
- 199 Chronic ulcer of skin
- 200 Other skin disorders
- 201 Infective arthritis and osteomyelitis (except that caused by tuberculosis or sexually transmitted disease)
- 202 Rheumatoid arthritis and related disease
- 203 Osteoarthritis
- 204 Other non-traumatic joint disorders
- 205 Spondylosis; intervertebral disc disorders; other back problems
- 206 Osteoporosis
- 207 Pathological fracture
- 208 Acquired foot deformities
- 209 Other acquired deformities
- 210 Systemic lupus erythematosus and connective tissue disorders
- 211 Other connective tissue disease
- 212 Other bone disease and musculoskeletal deformities



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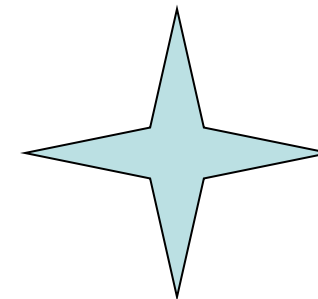
CATEGORIES of SINGLE-LEVEL CCS DIAGNOSIS CATEGORY LABELS

213 Cardiac and circulatory congenital anomalies
214 Digestive congenital anomalies
215 Genitourinary congenital anomalies
216 Nervous system congenital anomalies
217 Other congenital anomalies
218 Liveborn
219 Short gestation; low birth weight; and fetal growth retardation
220 Intrauterine hypoxia and birth asphyxia
221 Respiratory distress syndrome
222 Hemolytic jaundice and perinatal jaundice
223 Birth trauma
224 Other perinatal conditions
225 Joint disorders and dislocations; trauma-related
226 Fracture of neck of femur (hip)
227 Spinal cord injury
228 Skull and face fractures
229 Fracture of upper limb
230 Fracture of lower limb
231 Other fractures
232 Sprains and strains
233 Intracranial injury
234 Crushing injury or internal injury
235 Open wounds of head; neck; and trunk
236 Open wounds of extremities
237 Complication of device; implant or graft
238 Complications of surgical procedures or medical care
239 Superficial injury; contusion
240 Burns
241 Poisoning by psychotropic agents
242 Poisoning by other medications and drugs
243 Poisoning by nonmedicinal substances
244 Other injuries and conditions due to external causes
245 Syncope
246 Fever of unknown origin
247 Lymphadenitis
248 Gangrene
249 Shock

250 Nausea and vomiting
251 Abdominal pain
252 Malaise and fatigue
253 Allergic reactions
254 Rehabilitation care; fitting of prostheses; and adjustment of devices
255 Administrative/social admission
256 Medical examination/evaluation
257 Other aftercare
258 Other screening for suspected conditions (not mental disorders or infectious disease)
259 Residual codes; unclassified
260 E Codes: All (external causes of injury and poisoning)
2601 E Codes: Cut/pierceb
2602 E Codes: Drowning/submersion
2603 E Codes: Fall
2604 E Codes: Fire/burn
2605 E Codes: Firearm
2606 E Codes: Machinery
2607 E Codes: Motor vehicle traffic (MVT)
2608 E Codes: Pedal cyclist; not MVT
2609 E Codes: Pedestrian; not MVT
2610 E Codes: Transport; not MVT
2611 E Codes: Natural/environment
2612 E Codes: Overexertion
2613 E Codes: Poisoning
2614 E Codes: Struck by; against
2615 E Codes: Suffocation
2616 E Codes: Adverse effects of medical care
2617 E Codes: Adverse effects of medical drugs
2618 E Codes: Other specified and classifiable
2619 E Codes: Other specified; NEC
2620 E Codes: Unspecified
2621 E Codes: Place of occurrence



**231
SINGLE-LEVEL
CCS
PROCEDURE
CATEGORIES**



Using FFY 2006
(Oct 2005 to Sept 2006)
ICD9 Codes



Integrating CCS Procedure Code Sets into PCA

We have installed the 231 AHRQ Clinical Classification single procedure data sets into the standard PCA ICD9 Procedure “Tab” for your ease of access and use.

- See the next page of this document for a PCA screenshot of this new analytic feature.
- The following pages then provide you a complete list of the 231 ICD9 Procedure Sets stored within your PCA system for your use.



Accessing the 231AHRQ stored CCS procedure sets

PCA - Selection Version 2.05

File Report Print Export Custom Help

Report Title: Example AHRQ ICD9 Procedures

Payor Patient Disp Admit Source Admit Types Demogra Age

Data Source Time Period Provider DRG ZIP ICD9-Diag ICD9-Proc Atten Phys Oper Phys

Select/Deselect Group by Typing or Mouse Click Current Selection

Select/Deselect Value by Typing or Mouse Click

550.00

ICD-9 Diag	Description
550.00	UNIL INGUINAL HERNIA W
550.01	RECURR UNIL INGUINAL HE
550.02	BILAT INGUINAL HERNIA
550.03	RECURR BIL INGUINAL HE
550.1	INGUIN HERNIA W OBSTR
550.10	UNIL INGUINAL HERNIA W
550.11	RECURR UNIL INGUINAL H
550.12	BILAT INGUINAL HERNIA
550.13	RECURR BIL INGUINAL HE

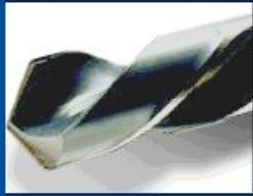
Group Name	Value	Value Name
*AHRQ - Abdom hernia		

↑

Save Group Delete Group Deselect All

Level Search From 1 To 1

Accessing the 231 AHRQ CCS Procedures



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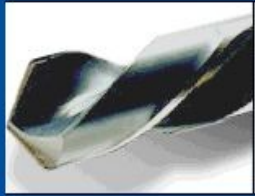
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SINGLE-LEVEL CCS PROCEDURE CATEGORY LABELS

- 1 Incision and excision of CNS
- 2 Insertion; replacement; or removal of extracranial ventricular shunt
- 3 Laminectomy; excision intervertebral disc
- 4 Diagnostic spinal tap
- 5 Insertion of catheter or spinal stimulator and injection into spinal canal
- 6 Decompression peripheral nerve
- 7 Other diagnostic nervous system procedures
- 8 Other non-OR or closed therapeutic nervous system procedures
- 9 Other OR therapeutic nervous system procedures
- 10 Thyroidectomy; partial or complete
- 11 Diagnostic endocrine procedures
- 12 Other therapeutic endocrine procedures
- 13 Corneal transplant
- 14 Glaucoma procedures
- 15 Lens and cataract procedures
- 16 Repair of retinal tear; detachment
- 17 Destruction of lesion of retina and choroid
- 18 Diagnostic procedures on eye
- 19 Other therapeutic procedures on eyelids; conjunctiva; cornea
- 20 Other intraocular therapeutic procedures
- 21 Other extraocular muscle and orbit therapeutic procedures
- 22 Tympanoplasty
- 23 Myringotomy
- 24 Mastoidectomy
- 25 Diagnostic procedures on ear
- 26 Other therapeutic ear procedures
- 27 Control of epistaxis
- 28 Plastic procedures on nose
- 29 Dental procedures
- 30 Tonsillectomy and/or adenoidectomy
- 31 Diagnostic procedures on nose; mouth and pharynx
- 32 Other non-OR therapeutic procedures on nose; mouth and pharynx
- 33 Other OR therapeutic procedures on nose; mouth and pharynx

- 34 Tracheostomy; temporary and permanent
- 35 Tracheoscopy and laryngoscopy with biopsy
- 36 Lobectomy or pneumonectomy
- 37 Diagnostic bronchoscopy and biopsy of bronchus
- 38 Other diagnostic procedures on lung and bronchus
- 39 Incision of pleura; thoracentesis; chest drainage
- 40 Other diagnostic procedures of respiratory tract and mediastinum
- 41 Other non-OR therapeutic procedures on respiratory system
- 42 Other OR therapeutic procedures on respiratory system and mediastinum
- 43 Heart valve procedures
- 44 Coronary artery bypass graft (CABG)
- 45 Percutaneous transluminal coronary angioplasty (PTCA)
- 46 Coronary thrombolysis
- 47 Diagnostic cardiac catheterization; coronary arteriography
- 48 Insertion; revision; replacement; removal of cardiac pacemaker or cardioverter/defibrillator
- 49 Other OR heart procedures
- 50 Extracorporeal circulation auxiliary to open heart procedures
- 51 Endarterectomy; vessel of head and neck
- 52 Aortic resection; replacement or anastomosis
- 53 Varicose vein stripping; lower limb
- 54 Other vascular catheterization; not heart
- 55 Peripheral vascular bypass
- 56 Other vascular bypass and shunt; not heart
- 57 Creation; revision and removal of arteriovenous fistula or vessel-to-vessel cannula for dialysis
- 58 Hemodialysis
- 59 Other OR procedures on vessels of head and neck
- 60 Embolectomy and endarterectomy of lower limbs
- 61 Other OR procedures on vessels other than head and neck
- 62 Other diagnostic cardiovascular procedures
- 63 Other non-OR therapeutic cardiovascular procedures
- 64 Bone marrow transplant
- 65 Bone marrow biopsy
- 66 Procedures on spleen
- 67 Other therapeutic procedures; hemic and lymphatic system
- 68 Injection or ligation of esophageal varices
- 69 Esophageal dilatation
- 70 Upper gastrointestinal endoscopy; biopsy

PCA Enhancement

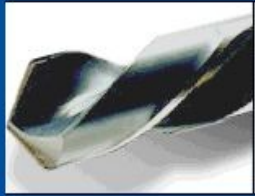


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SINGLE-LEVEL CCS PROCEDURE CATEGORIES

- 71 Gastrostomy; temporary and permanent
- 72 Colostomy; temporary and permanent
- 73 Ileostomy and other enterostomy
- 74 Gastrectomy; partial and total
- 75 Small bowel resection
- 76 Colonoscopy and biopsy
- 77 Proctoscopy and anorectal biopsy
- 78 Colorectal resection
- 79 Local excision of large intestine lesion (not endoscopic)
- 80 Appendectomy
- 81 Hemorrhoid procedures
- 82 Endoscopic retrograde cannulation of pancreas (ERCP)
- 83 Biopsy of liver
- 84 Cholecystectomy and common duct exploration
- 85 Inguinal and femoral hernia repair
- 86 Other hernia repair
- 87 Laparoscopy (GI only)
- 88 Abdominal paracentesis
- 89 Exploratory laparotomy
- 90 Excision; lysis peritoneal adhesions
- 91 Peritoneal dialysis
- 92 Other bowel diagnostic procedures
- 93 Other non-OR upper GI therapeutic procedures
- 94 Other OR upper GI therapeutic procedures
- 95 Other non-OR lower GI therapeutic procedures
- 96 Other OR lower GI therapeutic procedures
- 97 Other gastrointestinal diagnostic procedures
- 98 Other non-OR gastrointestinal therapeutic procedures
- 99 Other OR gastrointestinal therapeutic procedures
- 100 Endoscopy and endoscopic biopsy of the urinary tract
- 101 Transurethral excision; drainage; or removal urinary obstruction
- 102 Ureteral catheterization
- 103 Nephrotomy and nephrostomy
- 104 Nephrectomy; partial or complete
- 105 Kidney transplant
- 106 Genitourinary incontinence procedures
- 107 Extracorporeal lithotripsy; urinary
- 108 Indwelling catheter
- 109 Procedures on the urethra
- 110 Other diagnostic procedures of urinary tract
- 111 Other non-OR therapeutic procedures of urinary tract
- 112 Other OR therapeutic procedures of urinary tract
- 113 Transurethral resection of prostate (TURP)
- 114 Open prostatectomy
- 115 Circumcision
- 116 Diagnostic procedures; male genital
- 117 Other non-OR therapeutic procedures; male genital
- 118 Other OR therapeutic procedures; male genital
- 119 Oophorectomy; unilateral and bilateral
- 120 Other operations on ovary
- 121 Ligation or occlusion of fallopian tubes
- 122 Removal of ectopic pregnancy
- 123 Other operations on fallopian tubes
- 124 Hysterectomy; abdominal and vaginal
- 125 Other excision of cervix and uterus
- 126 Abortion (termination of pregnancy)
- 127 Dilatation and curettage (D&C); aspiration after delivery or abortion
- 128 Diagnostic dilatation and curettage (D&C)
- 129 Repair of cystocele and rectocele; obliteration of vaginal vault
- 130 Other diagnostic procedures; female organs
- 131 Other non-OR therapeutic procedures; female organs
- 132 Other OR therapeutic procedures; female organs
- 133 Episiotomy
- 134 Cesarean section
- 135 Forceps; vacuum; and breech delivery
- 136 Artificial rupture of membranes to assist delivery
- 137 Other procedures to assist delivery
- 138 Diagnostic amniocentesis
- 139 Fetal monitoring
- 140 Repair of current obstetric laceration
- 141 Other therapeutic obstetrical procedures
- 142 Partial excision bone
- 143 Bunionectomy or repair of toe deformities
- 144 Treatment; facial fracture or dislocation



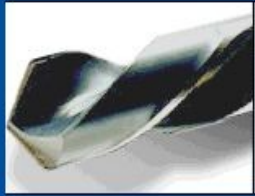
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SINGLE-LEVEL CCS PROCEDURE CATEGORIES

145 Treatment; fracture or dislocation of radius and ulna
146 Treatment; fracture or dislocation of hip and femur
147 Treatment; fracture or dislocation of lower extremity (other than hip or femur)
148 Other fracture and dislocation procedure
149 Arthroscopy
150 Division of joint capsule; ligament or cartilage
151 Excision of semilunar cartilage of knee
152 Arthroplasty knee
153 Hip replacement; total and partial
154 Arthroplasty other than hip or knee
155 Arthrocentesis
156 Injections and aspirations of muscles; tendons; bursa; joints and soft tissue
157 Amputation of lower extremity
158 Spinal fusion
159 Other diagnostic procedures on musculoskeletal system
160 Other therapeutic procedures on muscles and tendons
161 Other OR therapeutic procedures on bone
162 Other OR therapeutic procedures on joints
163 Other non-OR therapeutic procedures on musculoskeletal system
164 Other OR therapeutic procedures on musculoskeletal system
165 Breast biopsy and other diagnostic procedures on breast
166 Lumpectomy; quadrantectomy of breast
167 Mastectomy
168 Incision and drainage; skin and subcutaneous tissue
169 Debridement of wound; infection or burn
170 Excision of skin lesion
171 Suture of skin and subcutaneous tissue
172 Skin graft
173 Other diagnostic procedures on skin and subcutaneous tissue
174 Other non-OR therapeutic procedures on skin and breast
175 Other OR therapeutic procedures on skin and breast
176 Other organ transplantation
177 Computerized axial tomography (CT) scan head
178 CT scan chest
179 CT scan abdomen
180 Other CT scan
181 Myelogram

182 Mammography
183 Routine chest X-ray
184 Intraoperative cholangiogram
185 Upper gastrointestinal X-ray
186 Lower gastrointestinal X-ray
187 Intravenous pyelogram
188 Cerebral arteriogram
189 Contrast aortogram
190 Contrast arteriogram of femoral and lower extremity arteries
191 Arterio- or venogram (not heart and head)
192 Diagnostic ultrasound of head and neck
193 Diagnostic ultrasound of heart (echocardiogram)
194 Diagnostic ultrasound of gastrointestinal tract
195 Diagnostic ultrasound of urinary tract
196 Diagnostic ultrasound of abdomen or retroperitoneum
197 Other diagnostic ultrasound
198 Magnetic resonance imaging
199 Electroencephalogram (EEG)
200 Nonoperative urinary system measurements
201 Cardiac stress tests
202 Electrocardiogram
203 Electrographic cardiac monitoring
204 Swan-Ganz catheterization for monitoring
205 Arterial blood gases
206 Microscopic examination (bacterial smear; culture; toxicology)
207 Radioisotope bone scan
208 Radioisotope pulmonary scan
209 Radioisotope scan and function studies
210 Other radioisotope scan
211 Therapeutic radiology for cancer treatment
212 Diagnostic physical therapy
213 Physical therapy exercises; manipulation; and other procedures
214 Traction; splints; and other wound care
215 Other physical therapy and rehabilitation
216 Respiratory intubation and mechanical ventilation
217 Other respiratory therapy
218 Psychological and psychiatric evaluation and therapy



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**SINGLE-LEVEL
CCS
PROCEDURE
CATEGORIES**

- 219 Alcohol and drug rehabilitation/detoxification
- 220 Ophthalmologic and otologic diagnosis and treatment
- 221 Nasogastric tube
- 222 Blood transfusion
- 223 Enteral and parenteral nutrition
- 224 Cancer chemotherapy
- 225 Conversion of cardiac rhythm
- 226 Other diagnostic radiology and related techniques
- 227 Other diagnostic procedures (interview; evaluation; consultation)
- 228 Prophylactic vaccinations and inoculations
- 229 Nonoperative removal of foreign body
- 230 Extracorporeal shock wave lithotripsy; other than urinary
- 231 Other therapeutic procedures



For additional Information regarding AHRQ Clinical Classification System

<http://www.hcup-us.ahrq.gov/toolssoftware/ccs/ccs.jsp>

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