

Radiology

Essential links from CPT[®] codes
to ICD-10-CM and HCPCS

SAMPLE

2017

ICD-10

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Introduction

Optum360 is pleased to present the 2016 *Radiology Cross Coder*. The popularity of similar publications, such as *Surgical Cross Coder*, indicates that a one-stop reference for radiology codes is valuable to coders. Fully comprehensive, *Radiology Cross Coder* links more than 600 CPT® radiology codes to corresponding ICD-10-CM diagnosis, CPT surgery, and HCPCS Level II codes. Optum360 believes that professional coders working in physician offices, clinical outpatient, hospital, as well as payer settings will embrace this reference.

Radiology Cross Coder is based on the radiology section of *Current Procedural Terminology* (CPT). Up-to-date CPT radiology codes link to the following related medical coding systems:

- International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM)
- Healthcare Common Procedure Coding System (HCPCS)

All coding relationships in *Radiology Cross Coder* start with the surgery section of the CPT book presenting a general clinical picture of each surgery code. Pertinent radiology-related coding relationships were carefully reviewed and screened for appropriate information.

Certain radiology procedures such as chest x-rays are performed for almost any diagnosis and are simply too numerous to list. In such instances, the associated diagnoses do not appear in *Radiology Cross Coder*. For a discussion on secondary diagnosis codes, see the ICD-10-CM section later in this introduction.

Some CPT codes are omitted from the listing because consistent and reliable cross-links are almost impossible to establish. Unlisted procedure codes are an obvious example. Certain types of add-on codes are also treated somewhat differently. These codes are discussed in greater detail under the CPT Codes section later in this introduction.

As a coding reference, *Radiology Cross Coder* presents “most likely” scenarios as derived from clinical information sources. However, *Radiology Cross Coder* is not a substitute for ICD-10-CM, or any other medical coding reference, and users are urged to regularly consult all available sources. The absence of any specific code does not necessarily indicate that its association to the base procedure code is inappropriate. Assuming all rules of radiology coding are followed, excepted diagnosis codes may prove appropriate to a specific code scenario.

Radiology Cross Coder does not include coding rules or guidelines. Once again, the user is urged to consult the original coding reference (e.g., CPT, ICD-10-CM, HCPCS Level II, etc.) or one of several reputable medical coding instruction manuals.

Format

An understanding of this book’s format allows users to easily navigate its content. Information within the main section ties to the CPT book and the codes are presented in the same numeric order as the radiology section.

Sections

Radiology Cross Coder provides linked information to the CPT code range 70010 to 79999. The codes are divided into the same sections and subsections as the radiology section of the CPT book. For example, the diagnostic radiology section is further divided into anatomical subsections,

such as head and neck, spine and pelvis, and abdomen. There are also sections for diagnostic ultrasound, radiation oncology, and nuclear medicine.

Codes and Code Ranges

The data within each CPT code set of *Radiology Cross Coder* is presented as follows:

- CPT code or code range
- CPT codes and descriptions
- CPT cross codes and descriptions
- ICD-10-CM diagnostic codes and descriptions
- HCPCS Level II codes and descriptions

For example:

70380

70380 Radiologic examination, salivary gland for calculus

Associated CPT Codes

N/A

ICD-10-CM Diagnostic

K11.5 Sialolithiasis

K11.23 Chronic sialoadenitis

HCPCS Level II Supplies & Services

R0070 Transportation of portable x-ray equipment and personnel to home or nursing home, per trip to facility or location, one patient seen

R0075 Transportation of portable x-ray equipment and personnel to home or nursing home, per trip to facility or location, more than one patient seen

Each CPT code or code range is followed by its specific ICD-10-CM, HCPCS Level II, and CPT cross links. Full descriptions are presented for all CPT codes and their links.

Keep in mind, though, that ICD-10-CM codes are hierarchical and their “full descriptions” are by nature incomplete. Information on a specific five-digit code is found under its three-digit or four-digit category. The Optum360 database and *Radiology Cross Coder* feature complete descriptions for ICD-10-CM codes. For example, the official description for code K25.3 is a fourth-digit subclassification for use with category K25 and appears as follows in ICD-10-CM:

K25	Gastric ulcer
K25.0	Acute gastric ulcer with hemorrhage
K25.1	Acute gastric ulcer with perforation
K25.2	Acute gastric ulcer with both hemorrhage and perforation
K25.3	Acute gastric ulcer without mention of hemorrhage or perforation

Complete descriptions are presented throughout this book.

S12.000K Unspecified displaced fracture of first cervical vertebra, subsequent encounter for fracture with nonunion ▼

S12.001A Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture ▼

S12.001B Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for open fracture ▼

S12.001D Unspecified nondisplaced fracture of first cervical vertebra, subsequent encounter for fracture with routine healing ▼

S12.001G Unspecified nondisplaced fracture of first cervical vertebra, subsequent encounter for fracture with delayed healing ▼

S12.001K Unspecified nondisplaced fracture of first cervical vertebra, subsequent encounter for fracture with nonunion ▼

S12.100A Unspecified displaced fracture of second cervical vertebra, initial encounter for closed fracture

S12.100B Unspecified displaced fracture of second cervical vertebra, initial encounter for open fracture

S12.100D Unspecified displaced fracture of second cervical vertebra, subsequent encounter for fracture with routine healing

S12.100G Unspecified displaced fracture of second cervical vertebra, subsequent encounter for fracture with delayed healing

S12.100K Unspecified displaced fracture of second cervical vertebra, subsequent encounter for fracture with nonunion

S12.8XXA Fracture of other parts of neck, initial encounter

S12.8XXD Fracture of other parts of neck, subsequent encounter

Z01.20 Encounter for dental examination and cleaning without abnormal findings

Z01.21 Encounter for dental examination and cleaning with abnormal findings

Z46.4 Encounter for fitting and adjustment of orthodontic device

70355

70355 Orthopantomogram (eg, panoramic x-ray)

ICD-10-CM Diagnostic Codes

E08.630 Diabetes mellitus due to underlying condition with periodontal disease ☒

E09.630 Drug or chemical induced diabetes mellitus with periodontal disease

E10.630 Type 1 diabetes mellitus with periodontal disease

E11.630 Type 2 diabetes mellitus with periodontal disease

E13.630 Other specified diabetes mellitus with periodontal disease

K00.0 Anodontia

K00.1 Supernumerary teeth

K00.2 Abnormalities of size and form of teeth

K00.3 Mottled teeth

K00.4 Disturbances in tooth formation

K00.5 Hereditary disturbances in tooth structure, not elsewhere classified

K00.6 Disturbances in tooth eruption

K00.7 Teething syndrome

K00.8 Other disorders of tooth development

K00.9 Disorder of tooth development, unspecified ▼

K01.0 Embedded teeth

K01.1 Impacted teeth

K02.3 Arrested dental caries

K02.51 Dental caries on pit and fissure surface limited to enamel

K02.52 Dental caries on pit and fissure surface penetrating into dentin

K02.53 Dental caries on pit and fissure surface penetrating into pulp

K02.61 Dental caries on smooth surface limited to enamel

K02.62 Dental caries on smooth surface penetrating into dentin

K02.63 Dental caries on smooth surface penetrating into pulp

K02.7 Dental root caries

K02.9 Dental caries, unspecified ▼

K03.0 Excessive attrition of teeth

K03.1 Abrasion of teeth

K03.2 Erosion of teeth

K03.3 Pathological resorption of teeth

K03.4 Hypercementosis

K03.5 Ankylosis of teeth

K03.6 Deposits [accretions] on teeth

K03.7 Posteruptive color changes of dental hard tissues

K03.81 Cracked tooth

K03.89 Other specified diseases of hard tissues of teeth

K03.9 Disease of hard tissues of teeth, unspecified ▼

K04.0 Pulpitis

K04.1 Necrosis of pulp

K04.2 Pulp degeneration

K04.4 Acute apical periodontitis of pulpal origin

K04.5 Chronic apical periodontitis

K04.6 Periapical abscess with sinus

K04.7 Periapical abscess without sinus

K04.8 Radicular cyst

K04.90 Unspecified diseases of pulp and periapical tissues ▼

K04.99 Other diseases of pulp and periapical tissues

K05.00 Acute gingivitis, plaque induced

K05.01 Acute gingivitis, non-plaque induced

K05.10 Chronic gingivitis, plaque induced

K05.11 Chronic gingivitis, non-plaque induced

K05.20 Aggressive periodontitis, unspecified ▼

K05.21 Aggressive periodontitis, localized

K05.22 Aggressive periodontitis, generalized

K05.30 Chronic periodontitis, unspecified ▼

K05.31 Chronic periodontitis, localized

K05.32 Chronic periodontitis, generalized

K05.4 Periodontosis

K05.5 Other periodontal diseases

K05.6 Periodontal disease, unspecified ▼

K06.0 Gingival recession

K06.1 Gingival enlargement

K06.2 Gingival and edentulous alveolar ridge lesions associated with trauma

K06.8 Other specified disorders of gingiva and edentulous alveolar ridge

K06.9 Disorder of gingiva and edentulous alveolar ridge, unspecified ▼

K08.0 Exfoliation of teeth due to systemic causes

K08.101 Complete loss of teeth, unspecified cause, class I

K08.102 Complete loss of teeth, unspecified cause, class II

K08.103 Complete loss of teeth, unspecified cause, class III

K08.104 Complete loss of teeth, unspecified cause, class IV

K08.109 Complete loss of teeth, unspecified cause, unspecified class ▼

K08.111 Complete loss of teeth due to trauma, class I

K08.112 Complete loss of teeth due to trauma, class II

K08.113 Complete loss of teeth due to trauma, class III

K08.114 Complete loss of teeth due to trauma, class IV

K08.119 Complete loss of teeth due to trauma, unspecified class ▼

K08.121 Complete loss of teeth due to periodontal diseases, class I

K08.122 Complete loss of teeth due to periodontal diseases, class II

K08.123 Complete loss of teeth due to periodontal diseases, class III

K08.124 Complete loss of teeth due to periodontal diseases, class IV

K08.129 Complete loss of teeth due to periodontal diseases, unspecified class ▼

K08.131 Complete loss of teeth due to caries, class I

K08.132 Complete loss of teeth due to caries, class II

K08.133 Complete loss of teeth due to caries, class III

K08.134 Complete loss of teeth due to caries, class IV

K08.139 Complete loss of teeth due to caries, unspecified class ▼

K08.191 Complete loss of teeth due to other specified cause, class I

K08.192 Complete loss of teeth due to other specified cause, class II

K08.193 Complete loss of teeth due to other specified cause, class III

K08.194 Complete loss of teeth due to other specified cause, class IV

K08.199 Complete loss of teeth due to other specified cause, unspecified class ▼

K08.20 Unspecified atrophy of edentulous alveolar ridge ▼

K08.21 Minimal atrophy of the mandible

K08.22 Moderate atrophy of the mandible

K08.23 Severe atrophy of the mandible

K08.24 Minimal atrophy of maxilla

K08.25 Moderate atrophy of the maxilla

K08.26 Severe atrophy of the maxilla

K08.3 Retained dental root

M51.37	Other intervertebral disc degeneration, lumbosacral region
M51.46	Schmorl's nodes, lumbar region
M51.47	Schmorl's nodes, lumbosacral region
M51.86	Other intervertebral disc disorders, lumbar region
M51.87	Other intervertebral disc disorders, lumbosacral region
M53.2X7	Spinal instabilities, lumbosacral region
M54.16	Radiculopathy, lumbar region
M54.17	Radiculopathy, lumbosacral region
M54.5	Low back pain
M54.89	Other dorsalgia
M54.9	Dorsalgia, unspecified
M96.1	Postlaminectomy syndrome, not elsewhere classified
M99.23	Subluxation stenosis of neural canal of lumbar region
M99.33	Osseous stenosis of neural canal of lumbar region
M99.43	Connective tissue stenosis of neural canal of lumbar region
M99.53	Intervertebral disc stenosis of neural canal of lumbar region
M99.63	Osseous and subluxation stenosis of intervertebral foramina of lumbar region
M99.73	Connective tissue and disc stenosis of intervertebral foramina of lumbar region

HCPCS Level II Supplies & Services

Q9951	Low osmolar contrast material, 400 or greater mg/ml iodine concentration, per ml
Q9958	High osmolar contrast material, up to 149 mg/ml iodine concentration, per ml
Q9959	High osmolar contrast material, 150-199 mg/ml iodine concentration, per ml
Q9960	High osmolar contrast material, 200-249 mg/ml iodine concentration, per ml
Q9961	High osmolar contrast material, 250-299 mg/ml iodine concentration, per ml
Q9962	High osmolar contrast material, 300-349 mg/ml iodine concentration, per ml
Q9963	High osmolar contrast material, 350-399 mg/ml iodine concentration, per ml
Q9964	High osmolar contrast material, 400 or greater mg/ml iodine concentration, per ml
Q9965	Low osmolar contrast material, 100-199 mg/ml iodine concentration, per ml
Q9966	Low osmolar contrast material, 200-299 mg/ml iodine concentration, per ml
Q9967	Low osmolar contrast material, 300-399 mg/ml iodine concentration, per ml

Upper Extremities

73000

73000	Radiologic examination; clavicle, complete
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ICD-10-CM Diagnostic Codes

C41.3	Malignant neoplasm of ribs, sternum and clavicle
C79.51	Secondary malignant neoplasm of bone
D16.7	Benign neoplasm of ribs, sternum and clavicle
D48.0	Neoplasm of uncertain behavior of bone and articular cartilage
D49.2	Neoplasm of unspecified behavior of bone, soft tissue, and skin
P13.4	Fracture of clavicle due to birth injury
Q68.8	Other specified congenital musculoskeletal deformities
Q79.8	Other congenital malformations of musculoskeletal system
Q79.9	Congenital malformation of musculoskeletal system, unspecified
S42.001A	Fracture of unspecified part of right clavicle, initial encounter for closed fracture
S42.001B	Fracture of unspecified part of right clavicle, initial encounter for open fracture

S42.001K	Fracture of unspecified part of right clavicle, subsequent encounter for fracture with nonunion
S42.001P	Fracture of unspecified part of right clavicle, subsequent encounter for fracture with malunion
S42.002A	Fracture of unspecified part of left clavicle, initial encounter for closed fracture
S42.002B	Fracture of unspecified part of left clavicle, initial encounter for open fracture
S42.002K	Fracture of unspecified part of left clavicle, subsequent encounter for fracture with nonunion
S42.002P	Fracture of unspecified part of left clavicle, subsequent encounter for fracture with malunion
S42.009A	Fracture of unspecified part of unspecified clavicle, initial encounter for closed fracture
S42.009B	Fracture of unspecified part of unspecified clavicle, initial encounter for open fracture
S42.009K	Fracture of unspecified part of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.009P	Fracture of unspecified part of unspecified clavicle, subsequent encounter for fracture with malunion
S42.011A	Anterior displaced fracture of sternal end of right clavicle, initial encounter for closed fracture
S42.011B	Anterior displaced fracture of sternal end of right clavicle, initial encounter for open fracture
S42.011K	Anterior displaced fracture of sternal end of right clavicle, subsequent encounter for fracture with nonunion
S42.011P	Anterior displaced fracture of sternal end of right clavicle, subsequent encounter for fracture with malunion
S42.012A	Anterior displaced fracture of sternal end of left clavicle, initial encounter for closed fracture
S42.012B	Anterior displaced fracture of sternal end of left clavicle, initial encounter for open fracture
S42.012K	Anterior displaced fracture of sternal end of left clavicle, subsequent encounter for fracture with nonunion
S42.012P	Anterior displaced fracture of sternal end of left clavicle, subsequent encounter for fracture with malunion
S42.013A	Anterior displaced fracture of sternal end of unspecified clavicle, initial encounter for closed fracture
S42.013B	Anterior displaced fracture of sternal end of unspecified clavicle, initial encounter for open fracture
S42.013K	Anterior displaced fracture of sternal end of unspecified clavicle, subsequent encounter for fracture with nonunion
S42.013P	Anterior displaced fracture of sternal end of unspecified clavicle, subsequent encounter for fracture with malunion
S42.014A	Posterior displaced fracture of sternal end of right clavicle, initial encounter for closed fracture
S42.014B	Posterior displaced fracture of sternal end of right clavicle, initial encounter for open fracture
S42.014K	Posterior displaced fracture of sternal end of right clavicle, subsequent encounter for fracture with nonunion
S42.014P	Posterior displaced fracture of sternal end of right clavicle, subsequent encounter for fracture with malunion
S42.015A	Posterior displaced fracture of sternal end of left clavicle, initial encounter for closed fracture
S42.015B	Posterior displaced fracture of sternal end of left clavicle, initial encounter for open fracture
S42.015K	Posterior displaced fracture of sternal end of left clavicle, subsequent encounter for fracture with nonunion
S42.015P	Posterior displaced fracture of sternal end of left clavicle, subsequent encounter for fracture with malunion
S42.016A	Posterior displaced fracture of sternal end of unspecified clavicle, initial encounter for closed fracture
S42.016B	Posterior displaced fracture of sternal end of unspecified clavicle, initial encounter for open fracture

Z48.23	Encounter for aftercare following liver transplant
Z52.4	Kidney donor
Z94.0	Kidney transplant status
Z94.4	Liver transplant status

74150-74170

74150	Computed tomography, abdomen; without contrast material
74160	with contrast material(s)
74170	without contrast material, followed by contrast material(s) and further sections

Associated CPT Codes

76376	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality with image postprocessing under concurrent supervision; not requiring image postprocessing on an independent workstation
76377	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality with image postprocessing under concurrent supervision; requiring image postprocessing on an independent workstation

ICD-10-CM Diagnostic Codes

The application of this code is too broad to adequately present ICD-10-CM diagnostic code links here. Refer to your ICD-10-CM book.

HCPSC Level II Supplies & Services

Q9951	Low osmolar contrast material, 400 or greater mg/ml iodine concentration, per ml
Q9958	High osmolar contrast material, up to 149 mg/ml iodine concentration, per ml
Q9959	High osmolar contrast material, 150-199 mg/ml iodine concentration, per ml
Q9960	High osmolar contrast material, 200-249 mg/ml iodine concentration, per ml
Q9961	High osmolar contrast material, 250-299 mg/ml iodine concentration, per ml
Q9962	High osmolar contrast material, 300-349 mg/ml iodine concentration, per ml
Q9963	High osmolar contrast material, 350-399 mg/ml iodine concentration, per ml
Q9964	High osmolar contrast material, 400 or greater mg/ml iodine concentration, per ml
Q9965	Low osmolar contrast material, 100-199 mg/ml iodine concentration, per ml
Q9966	Low osmolar contrast material, 200-299 mg/ml iodine concentration, per ml
Q9967	Low osmolar contrast material, 300-399 mg/ml iodine concentration, per ml

74174-74175

74174	Computed tomographic angiography, abdomen and pelvis, with contrast material(s), including noncontrast images, if performed, and image postprocessing
74175	Computed tomographic angiography, abdomen, with contrast material(s), including noncontrast images, if performed, and image postprocessing

ICD-10-CM Diagnostic Codes

The application of this code is too broad to adequately present ICD-10-CM diagnostic code links here. Refer to your ICD-10-CM book.

HCPSC Level II Supplies & Services

Q9951	Low osmolar contrast material, 400 or greater mg/ml iodine concentration, per ml
Q9958	High osmolar contrast material, up to 149 mg/ml iodine concentration, per ml

Q9959	High osmolar contrast material, 150-199 mg/ml iodine concentration, per ml
Q9960	High osmolar contrast material, 200-249 mg/ml iodine concentration, per ml
Q9961	High osmolar contrast material, 250-299 mg/ml iodine concentration, per ml
Q9962	High osmolar contrast material, 300-349 mg/ml iodine concentration, per ml
Q9963	High osmolar contrast material, 350-399 mg/ml iodine concentration, per ml
Q9964	High osmolar contrast material, 400 or greater mg/ml iodine concentration, per ml
Q9965	Low osmolar contrast material, 100-199 mg/ml iodine concentration, per ml
Q9966	Low osmolar contrast material, 200-299 mg/ml iodine concentration, per ml
Q9967	Low osmolar contrast material, 300-399 mg/ml iodine concentration, per ml

74176-74178

74176	Computed tomography, abdomen and pelvis; without contrast material
74177	with contrast material(s)
74178	without contrast material in one or both body regions, followed by contrast material(s) and further sections in one or both body regions

Associated CPT Codes

76376	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality with image postprocessing under concurrent supervision; not requiring image postprocessing on an independent workstation
76377	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality with image postprocessing under concurrent supervision; requiring image postprocessing on an independent workstation

ICD-10-CM Diagnostic Codes

The application of this code is too broad to adequately present ICD-10-CM diagnostic code links here. Refer to your ICD-10-CM book.

HCPSC Level II Supplies & Services

Q9951	Low osmolar contrast material, 400 or greater mg/ml iodine concentration, per ml
Q9958	High osmolar contrast material, up to 149 mg/ml iodine concentration, per ml
Q9959	High osmolar contrast material, 150-199 mg/ml iodine concentration, per ml
Q9960	High osmolar contrast material, 200-249 mg/ml iodine concentration, per ml
Q9961	High osmolar contrast material, 250-299 mg/ml iodine concentration, per ml
Q9962	High osmolar contrast material, 300-349 mg/ml iodine concentration, per ml
Q9963	High osmolar contrast material, 350-399 mg/ml iodine concentration, per ml
Q9964	High osmolar contrast material, 400 or greater mg/ml iodine concentration, per ml
Q9965	Low osmolar contrast material, 100-199 mg/ml iodine concentration, per ml
Q9966	Low osmolar contrast material, 200-299 mg/ml iodine concentration, per ml
Q9967	Low osmolar contrast material, 300-399 mg/ml iodine concentration, per ml