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CHAPTER IX
RADIOLOGY SERVICES
CPT CODES 70000 - 79999
FOR
NATIONAL CORRECT CODING INITIATIVE POLICY MANUAL
FOR MEDICARE SERVICES

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Chapter IX
Radiology Services
CPT Codes 70000 - 79999

A. Introduction

The *CPT Manual* includes codes related to diagnostic radiology (imaging), ultrasound, radiation oncology and nuclear medicine. The diagnostic imaging section includes non-invasive and invasive diagnostic and therapeutic (interventional) procedures, as well as computerized tomography and magnetic resonance imaging. Most correct coding issues are defined by CPT coding convention.

B. Evaluation and Management (E&M) Services

Medicare Global Surgery Rules define the rules for reporting evaluation and management (E&M) services with procedures covered by these rules. This section summarizes some of the rules.

All procedures on the Medicare Physician Fee Schedule are assigned a Global period of 000, 010, 090, XXX, YYY, or ZZZ. The global concept does not apply to XXX procedures. The global period for YYY procedures is defined by the Carrier. All procedures with a global period of ZZZ are related to another procedure, and the applicable global period for the ZZZ code is determined by the related procedure.

Since NCCI edits are applied to same day services by the same provider to the same beneficiary, certain Global Surgery Rules are applicable to NCCI. An E&M service is separately reportable on the same date of service as a procedure with a global period of 000, 010, or 090 under limited circumstances.

If a procedure has a global period of 090 days, it is defined as a major surgical procedure. If an E&M is performed on the same date of service as a major surgical procedure for the purpose of deciding whether to perform this surgical procedure, the E&M service is separately reportable with modifier -57. Other E&M services on the same date of service as a major surgical procedure are included in the global payment for the procedure and are not separately reportable. NCCI does not contain edits based on this rule because Medicare Carriers have separate edits.

If a procedure has a global period of 000 or 010 days, it is defined as a minor surgical procedure. The decision to perform a minor surgical procedure is included in the payment for the minor surgical procedure and should not be reported separately as an E&M service. However, a significant and separately identifiable E&M service unrelated to the decision to perform the minor surgical procedure is separately reportable with modifier -25. NCCI does contain some edits based on these principles, but the Medicare Carriers have separate edits. Neither the NCCI nor Carriers have all possible edits based on these principles.

Procedures with a global surgery indicator of "XXX" are not covered by these rules. Many of these "XXX" procedures are performed by physicians and have inherent pre-procedure, intra-procedure, and post-procedure work usually performed each time the procedure is completed. This work should never be reported as a separate E&M code. Other "XXX" procedures are not usually performed by a physician and have no physician work relative value units associated with them. A physician should never report a separate E&M code with these procedures for the supervision of others performing the procedure or for the interpretation of the procedure. With most "XXX" procedures, the physician may, however, perform a significant and separately identifiable E&M service on the same day of service which may be reported by appending modifier -25 to the E&M code. This E&M service may be related to the same diagnosis necessitating performance of the "XXX" procedure but cannot include any work inherent in the "XXX" procedure, supervision of others performing the "XXX" procedure, or time for interpreting the result of the "XXX" procedure. Appending modifier -25 to a significant, separately identifiable E&M service when performed on the same date of service as an "XXX" procedure is correct coding.

When physician interaction with a patient is necessary to accomplish a radiographic procedure, typically occurring in invasive or interventional radiology, the interaction generally involves limited pertinent historical inquiry about reasons for the examination, the presence of allergies, acquisition of informed consent, discussion of follow-up, and the review of the medical record. In this setting, a separate evaluation and management service is not reported. As a rule, if the medical decision making that evolves from the procurement of the information from the patient is limited to whether or not the

procedure should be performed, whether comorbidity may impact the procedure, or involves discussion and education with the patient, an evaluation/management code is not reported separately. If a significant, separately identifiable service is rendered, involving taking a history, performing an exam, and making medical decisions distinct from the procedure, the appropriate evaluation and management service may be reported.

In radiation oncology, evaluation and management CPT codes are not separately reportable except for an initial consultation at which time a decision is made whether to proceed with the treatment. Subsequent evaluation and management services are included in the radiation treatment management CPT codes.

C. Non-interventional Diagnostic Imaging

Non-invasive/interventional diagnostic imaging includes standard radiographs, single or multiple views, contrast studies, computerized tomography and magnetic resonance imaging. The *CPT Manual* allows for various combinations of codes to address the number and type of radiographic views. For a given radiographic series, the procedure code that most accurately describes what was performed is appropriate. Because of the number of combinations of views necessary to obtain medically useful information, a complete review of CPT coding options for a given radiographic session is important to assure accurate coding with the most comprehensive code that describes the services performed rather than billing multiple codes to describe the service.

In the event that radiographs have to be repeated in the course of a radiographic encounter due to substandard quality, only one unit of service for the code can be reported. Additionally, if after reviewing initial films, the radiologist elects to obtain additional views in order to render an interpretation, the Medicare policy on the ordering of diagnostic tests should be followed and the CPT code describing the total service is reported, even if the patient was released from the radiology suite and had to return for additional services. The CPT descriptor for many of these services refers to a "minimum" number of views. Accordingly, if more than the minimum number specified is necessary, and no other more specific CPT code is available, only that service should be billed. On the other hand, if additional films are necessary due to a change in the patient's condition, separate billing would be appropriate.

CPT code descriptors which specify a minimum number of views should be reported when the minimum number of views or if more than the minimum number of views must be obtained in order to satisfactorily complete the radiographic study. For example, if three views of the shoulder are obtained, CPT code 73030, one unit of service, should be reported, not 73020 and 73030.

When limited comparative radiographic studies are performed (e.g., post-reduction radiographs, post-intubation, post-catheter placement, etc.), the CPT code for a comprehensive radiographic series should be reported with modifier -52, indicating that a reduced level of interpretive service was provided.

Studies may be performed without contrast, with contrast or both with and without contrast. There are separate codes available to describe all of these combinations of contrast usage. When studies require contrast, there is not generally an established number of radiographs to be obtained because of patient variation. Accordingly, all radiographs necessary to complete a study are included in the CPT code description. Unless specifically noted, fluoroscopy necessary to complete a procedure and obtain the necessary permanent radiographic record is included in the major procedure performed.

Preliminary "scout" radiographs obtained prior to contrast administration or delayed imaging radiographs are often performed; when a separate CPT code is available to include these radiographs, it should be used. If there is no separate CPT code including additional views, it is assumed that these are included in the basic procedure.

D. Interventional/Invasive Diagnostic Imaging

When contrast can be administered orally (upper GI) or rectally (barium enema), the administration is included as part of the procedure and no administration service is reported. When contrast material is parenterally administered, whether the timing of the injection has to correlate with the procedure or not (e.g., IVP, CT scans, gadolinium), venous access and contrast administration (e.g., HCPCS/CPT codes 36000, 36406, 36410, 90760-90775, and C8950-C8952) are included in the contrast studies.

When a contrast study is performed in which there is direct correlation of the timing of the study to the injection or administration (e.g., angiography), and different providers perform separate parts of the procedure, each provider would bill the service he/she rendered. The procedural aspect of the service is coded from outside the CPT 70000 series and the radiographic supervision and interpretation (S & I) service is coded from the 70000 series of codes.

Diagnostic angiography (arteriogram/venogram) performed on the same date of service by the same provider as a percutaneous intravascular interventional procedure should be reported with modifier -59. If a diagnostic angiogram (fluoroscopic or computed tomographic) was performed prior to the date of the percutaneous intravascular interventional procedure, a second diagnostic angiogram cannot be reported on the date of the percutaneous intravascular interventional procedure unless it is medically reasonable and necessary to repeat the study to further define the anatomy and pathology. Report the repeat angiogram with modifier -59. If it is medically reasonable and necessary to repeat only a portion of the diagnostic angiogram, append modifier -52 to the angiogram CPT code. If the prior diagnostic angiogram (fluoroscopic or computed tomographic) was complete, the provider should not report a second angiogram for the dye injections necessary to perform the percutaneous intravascular interventional procedure.

The individual CPT codes in the 70000 section identify which injection or administration code is appropriate for a given procedure. In the absence of a parenthetical CPT note, it is not appropriate to submit an administration component. When an intravenous line is placed (e.g., CPT code 36000) simply for access in the event of a problem with the procedure or for administration of contrast, it is considered part of the procedure. A separate code (e.g., CPT code 36005), is available for the injection procedure for contrast venography and includes the introduction of a needle or an intracatheter (e.g., CPT code 36000).

In the case of urologic procedures and other surgeries, insertion of a urethral catheter (e.g., CPT code 51701-51702) is part of the procedure and is not to be separately reported.

The HCPCS/CPT codes 90773-90775 and C8952 describe intra-arterial and intravenous therapeutic or diagnostic injections. Injection of contrast or radiopharmaceutical is an included inherent component of radiological/nuclear medicine procedures. HCPCS/CPT codes 90774-90775 and C8952 cannot be reported separately with radiographic, CT, MRI, or nuclear imaging codes to describe inherent injection procedures.

E. Nuclear Medicine

The general policies promulgated above apply to nuclear medicine as well as standard diagnostic imaging. Several issues specific to the practice of nuclear medicine require comment.

1. The injection of a radiopharmaceutical is included as an inherent component of the procedure. Separate vascular access and injection codes (e.g., HCPCS/CPT codes 36000, 90760-90775 and C8950-C8952) should not be reported.

2. Single photon emission computed tomography (SPECT) studies represent an enhanced methodology over standard planar nuclear imaging. When a limited anatomic area is studied, there is no additional information procured by obtaining both planar and SPECT studies. While both represent medically acceptable imaging studies, when a SPECT study of a limited area is performed, a planar study is not to be separately reported. When vascular flow studies are obtained using planar technology in addition to SPECT studies, the appropriate CPT code for the vascular flow study should be reported, not the flow, planar and SPECT studies. In cases where planar images must be procured because of the extent of the scanned area (e.g., bone imaging), both planar and SPECT scans may be necessary and reported separately.

3. Myocardial perfusion imaging (CPT codes 78460-78465) is not reportable with cardiac blood pool imaging by gated equilibrium (CPT codes 78472-78473) because the two types of tests utilize different radiopharmaceuticals.

4. CPT codes 76376 and 76377 (3-D rendering) are not separately reportable for nuclear medicine procedures (CPT codes 78000-78999). However, CPT code 76376 or 76377 may be separately reported with modifier -59 on the same date of service as a

nuclear medicine procedure if the 3D rendering procedure is performed in association with a third procedure (other than nuclear medicine) for which 3D rendering is appropriately reported.

F. Radiation Oncology

1. Continuing medical physics consultation (CPT code 77336) is reported "per week of therapy". It may be reported after every five radiation treatments. (It may also be reported if the total number of radiation treatments in a course of radiation therapy is less than five.) Since radiation planning procedures (CPT codes 77261-77334) are generally performed before radiation treatment commences, the NCCI contains edits preventing payment of CPT code 77336 with CPT codes 77261-77295, 77301-77328, and 77332-77334. Because radiation planning procedures may occasionally be repeated during a course of radiation treatment, the edits allow modifier -59 to be appended to CPT code 77336 when the radiation planning procedure and continuing medical physics consultation occur on the same date of service.

2. The *Internet-Only Manuals(IOM), Medicare Claims Processing Manual*, Publication 100-04, Chapter 13, Section 70.2 (Services Bundled Into Treatment Management Codes) defines services that may not be reported separately with radiation oncology procedures. Based on these requirements, the NCCI contains edits bundling the following CPT codes into all radiation therapy services:

11920-11921 (Tattooing)
16000-16030 (Treatment of burns)
36000, 36410, 36425 (Venipuncture or Introduction of catheter)
51701-51703 (Urinary bladder catheterization)
90760, 90765 (Intravenous infusion)
90804-90822 (Psychotherapy)
90846 (Psychotherapy)
90847 (Psychotherapy)
90862, M0064 (Pharmacologic management)
97802-97804 (Medical nutrition therapy)
99143-99144 (Anesthesia - Moderate conscious sedation)
99185 (Regional hypothermia)
99201-99215 (Evaluation & Management)

99217-99239 (Evaluation & Management)
99281-99456 (Evaluation & Management)

G. General Policy Statements

1. In this Manual many policies are described utilizing the term "physician". Unless indicated differently the usage of this term does not restrict the policies to physicians only but applies to all practitioners, hospitals, providers, or suppliers eligible to bill the relevant HCPCS/CPT codes pursuant to applicable portions of the Social Security Act (SSA) of 1965, the Code of Federal Regulations (CFR), and Medicare rules. In some sections of this Manual, the term "physician" would not include some of these entities because specific rules do not apply to them. For example, Anesthesia Rules and Global Surgery Rules do not apply to hospitals.

2. With few exceptions the payment for a surgical procedure includes payment for dressings, supplies, and local anesthesia. These items are not separately reportable under their own HCPCS/CPT codes. Wound closures utilizing adhesive strips, topical skin adhesive, or tape alone are not separately reportable. In the absence of an operative procedure, these types of wound closures are included in an E&M service.

3. Any abdominal radiology procedure that has a radiological supervision and interpretation code (e.g., CPT code 75625 for abdominal aortogram), would also include abdominal x-rays (e.g., CPT codes 74000-74022) as part of the total service.

4. Xeroradiography (e.g., CPT code 76150) is not to be reported with any mammography studies based on CPT coding instruction.

5. Guidance for placement of radiation fields by computerized tomography or ultrasound (CPT codes 76370 or 76950) for the same anatomical area are mutually exclusive of one another.

6. Ultrasound guidance services and diagnostic echography should be reported only when both procedures are performed.

Ultrasound guidance services alone do not represent diagnostic echography.

7. CPT code 76970 (ultrasound study, follow-up) cannot be reported with any other echocardiographic or ultrasound guidance procedures because it represents a follow-up procedure on the same day.

8. CPT code 77790 (supervision, handling, loading of radiation source) is not to be reported with any of the remote afterloading brachytherapy codes (e.g., CPT codes 77781-77784) since these procedures inherently include the supervision of the radioelement.

9. Bone studies such as CPT codes 76020-76065 require a series of radiographs; billing separately for bone studies and individual radiographs obtained in the course of the bone study is inappropriate.

10. Radiologic supervision and interpretation codes for specific procedures include all the radiologic services necessary for that procedure. For example, do not additionally report fluoroscopy (e.g., CPT codes 76000, 76001, 76003, 76005) or ultrasound guidance (e.g., CPT codes 76942, 76986).

11. Abdominal ultrasound examinations (CPT codes 76700-76775) and abdominal duplex examinations (CPT codes 93975, 93976) are generally performed for different clinical scenarios although there are some instances where both types of procedures are medically reasonable and necessary. In the latter case, the abdominal ultrasound procedure CPT code should be reported with an NCCI-associated modifier.

12. Tumor imaging by positron emission tomography (PET) may be reported with CPT code 78811-78816. If a concurrent computed tomography (CT) scan is performed for attenuation correction and anatomical localization, CPT code 78814-78816 should be reported rather than CPT code 78811-78813. A CT scan for localization should not be reported separately with CPT codes 78811-78816. However, a medically reasonable and necessary diagnostic CT scan may be separately reported with an NCCI-associated modifier.

13. Axial bone density studies may be reported with CPT codes 76070 or 76075. Peripheral site bone density studies may be reported with CPT codes 76071, 76076, 76977, or G0130. Although it may be medically reasonable and necessary to report both axial and peripheral bone density studies on the same date of service, NCCI edits prevent the reporting of multiple CPT codes for the axial bone density study or multiple CPT codes for the peripheral site bone density study on the same date of service.

14. When existing vascular access lines or selectively placed catheters are used to procure arterial or venous samples, billing for the sample collection separately is inappropriate. CPT codes 36500 (venous catheterization for selective organ blood sampling) or 75893 (venous sampling through catheter with or without angiography...) may be reported for venous blood sampling through a catheter placed for the sole purpose of venous blood sampling with or without venography. CPT code 75893 includes concomitant venography. If a catheter is placed for a purpose other than venous blood sampling with or without venography (CPT code 75893), it is a misuse of CPT codes 36500 or 75893 to report them in addition to CPT codes for the other venous procedure(s). CPT codes 36500 or 75893 should not be reported for blood sampling during an arterial procedure.

15. Radiologic studies with contrast (e.g., CT, CTA, MRI, MRA, angiography) utilize subtraction techniques as a standard of practice. CPT code 76350 (subtraction in conjunction with contrast studies) should not be reported with procedures that typically utilize contrast.

16. CPT codes 70540-70543 are utilized to report magnetic resonance imaging of the orbit, face, and/or neck. Only one code may be reported for an imaging session regardless of whether one, two, or three areas are evaluated in the imaging session.

17. An MRI study of the brain (CPT codes 70551-70553) and MRI study of the orbit (CPT codes 70540-70543) are separately reportable only if they are both medically reasonable and necessary and are performed as distinct studies. An MRI of the orbit is not separately reportable with an MRI of the brain if an incidental abnormality of the orbit is identified during an MRI of the brain since only one MRI study is performed.

18. If the code descriptor of a HCPCS/CPT code includes the phrase, "separate procedure", the procedure is subject to NCCI edits based on this designation. CMS does not allow separate reporting of a procedure designated as a "separate procedure" when it is performed at the same patient encounter as another procedure in an anatomically related area through the same skin incision, orifice, or surgical approach.