

# Current Procedural Coding Expert

CPT<sup>®</sup> codes with Medicare essentials  
for enhanced accuracy

**2022**

[optum360coding.com](http://optum360coding.com)

# Contents

|  |            |
|--|------------|
| <b>Introduction</b> .....  | <b>i</b>   |
| Getting Started with <i>Current Procedural Coding Expert</i> ..... | i          |
| General Conventions .....  | i          |
| Resequencing of CPT Codes .....                                    | i          |
| Code Ranges for Medicare Billing .....                             | ii         |
| Icons .....  | ii         |
| Appendixes .....   | iv         |
| <b>Anatomical Illustrations</b> .....                              | <b>vii</b> |
| Integumentary System .....   | viii       |
| Skin and Subcutaneous Tissue .....                                 | viii       |
| Nail Anatomy .....   | viii       |
| Assessment of Burn Surface Area .....                              | viii       |
| Musculoskeletal System .....                                       | ix         |
| Bones and Joints .....   | ix         |
| Muscles .....  | x          |
| Head and Facial Bones .....  | xi         |
| Nose .....   | xi         |
| Shoulder (Anterior View) .....                                     | xi         |
| Shoulder (Posterior View) .....                                    | xi         |
| Shoulder Muscles .....   | xi         |
| Elbow (Anterior View) .....  | xii        |
| Elbow (Posterior View) .....                                       | xii        |
| Elbow Muscles .....  | xii        |
| Elbow Joint .....  | xii        |
| Lower Arm .....  | xii        |
| Hand .....   | xii        |
| Hip (Anterior View) .....  | xiii       |
| Hip (Posterior View) .....   | xiii       |
| Knee (Anterior View) .....   | xiii       |
| Knee (Posterior View) .....  | xiii       |
| Knee Joint (Anterior View) .....                                   | xiii       |
| Knee Joint (Lateral View) .....                                    | xiii       |
| Lower Leg .....  | xiv        |
| Ankle Ligament (Lateral View) .....                                | xiv        |
| Ankle Ligament (Posterior View) .....                              | xiv        |
| Foot Tendons .....   | xiv        |
| Foot Bones .....   | xiv        |
| Respiratory System .....   | xv         |
| Upper Respiratory System .....                                     | xv         |
| Nasal Turbinates .....   | xv         |
| Paranasal Sinuses .....  | xvi        |
| Lower Respiratory System .....                                     | xvi        |
| Lung Segments .....  | xvi        |
| Alveoli .....  | xvi        |
| Arterial System .....  | xvii       |
| Internal Carotid and Arteries and Branches .....                   | xviii      |
| External Carotid Arteries and Branches .....                       | xviii      |
| Upper Extremity Arteries .....                                     | xviii      |
| Lower Extremity Arteries .....                                     | xviii      |
| Venous System .....  | xix        |
| Head and Neck Veins .....  | xx         |
| Upper Extremity Veins .....  | xx         |
| Venae Comitantes .....   | xx         |
| Venous Blood Flow .....  | xx         |
| Abdominal Veins .....  | xx         |
| Cardiovascular System .....  | xxi        |
| Coronary Veins .....   | xxi        |
| Anatomy of the Heart .....   | xxi        |
| Heart Cross Section .....  | xxi        |
| Heart Valves .....   | xxi        |
| Heart Conduction System .....                                      | xxii       |
| Coronary Arteries .....  | xxii       |

|   |         |
|---|---------|
| Lymphatic System .....                              | xxiii   |
| Axillary Lymph Nodes .....                          | xxiv    |
| Lymphatic Capillaries .....                         | xxiv    |
| Lymphatic System of Head and Neck .....             | xxiv    |
| Lymphatic Drainage .....                            | xxiv    |
| Spleen Internal Structures .....                    | xxv     |
| Spleen External Structures .....                    | xxv     |
| Digestive System .....                              | xxvi    |
| Gallbladder .....                                   | xxvi    |
| Stomach .....                                       | xxvi    |
| Mouth (Upper) .....                                 | xxvii   |
| Mouth (Lower) .....                                 | xxvii   |
| Pancreas .....                                      | xxvii   |
| Liver .....   | xxvii   |
| Anus .....  | xxvii   |
| Genitourinary System .....                          | xxviii  |
| Urinary System .....                                | xxviii  |
| Nephron .....                                       | xxix    |
| Male Genitourinary .....                            | xxix    |
| Testis and Associate Structures .....               | xxix    |
| Male Genitourinary System .....                     | xxix    |
| Female Genitourinary .....                          | xxx     |
| Female Reproductive System .....                    | xxx     |
| Female Bladder .....                                | xxx     |
| Female Breast .....                                 | xxx     |
| Endocrine System .....                              | xxxix   |
| Structure of an Ovary .....                         | xxxix   |
| Thyroid and Parathyroid Glands .....                | xxxix   |
| Adrenal Gland .....                                 | xxxix   |
| Thyroid .....                                       | xxxix   |
| Thymus .....  | xxxix   |
| Nervous System .....                                | xxxix   |
| Brain .....   | xxxix   |
| Cranial Nerves .....                                | xxxix   |
| Spinal Cord and Spinal Nerves .....                 | xxxix   |
| Nerve Cell .....                                    | xxxix   |
| Eye .....   | xxxvii  |
| Eye Structure .....                                 | xxxvii  |
| Posterior Pole of Globe/Flow of Aqueous Humor ..... | xxxvii  |
| Eye Musculature .....                               | xxxvii  |
| Eyelid Structures .....                             | xxxvii  |
| Ear and Lacrimal System .....                       | xxxviii |
| Ear Anatomy .....                                   | xxxviii |
| Lacrimal System .....                               | xxxviii |

**Index** ..... **Index-1**

|  |          |
|--|----------|
| <b>Tabular</b> .....                       | <b>1</b> |
| Anesthesia .....                           | 1        |
| Integumentary System .....                 | 13       |
| Musculoskeletal System .....               | 39       |
| Respiratory System .....                   | 109      |
| Cardiovascular, Hemic, and Lymphatic ..... | 125      |
| Digestive System .....                     | 183      |
| Urinary System .....                       | 233      |
| Genital System .....                       | 250      |
| Endocrine System .....                     | 274      |
| Nervous System .....                       | 277      |
| Eye, Ocular Adnexa, and Ear .....          | 309      |
| Radiology .....                            | 327      |
| Pathology and Laboratory .....             | 363      |
| Medicine .....                             | 453      |

|  |            |   |            |
|--|------------|---|------------|
| Evaluation and Management Services Guidelines .....  | 533        | <b>Appendix J — Inpatient-Only Procedures .....</b>                                 | <b>701</b> |
| Evaluation and Management .....  | 544        | <b>Appendix K — Place of Service and Type of Service .....</b>                      | <b>711</b> |
| Category II Codes .....  | 565        | <b>Appendix L — Multianalyte Assays with Algorithmic Analyses .....</b>             | <b>715</b> |
| Category III Codes .....   | 581        | <b>Appendix M — Glossary .....</b>  | <b>731</b> |
| <b>Appendix A — Modifiers .....</b>  | <b>603</b> | <b>Appendix N — Listing of Sensory, Motor, and Mixed Nerves ..</b>                  | <b>743</b> |
| CPT Modifiers .....  | 603        | Motor Nerves Assigned to Codes 95907-95913 .....                                    | 743        |
| Modifiers Approved for Ambulatory Surgery Center (ASC) Hospital Outpatient Use .....   | 605        | Sensory and Mixed Nerves Assigned to Codes 95907-95913 .....                        | 744        |
| <b>Appendix B — New, Revised, and Deleted Codes .....</b>  | <b>609</b> | <b>Appendix O — Vascular Families .....</b>   | <b>745</b> |
| New Codes .....  | 609        | Arterial Vascular Family .....  | 745        |
| Revised Codes .....  | 613        | Venous Vascular Family .....  | 747        |
| Deleted Codes .....  | 615        | <b>Appendix P — Interventional Radiology Illustrations .....</b>                    | <b>749</b> |
| Resequenced Icon Added .....   | 615        | Internal Carotid and Vertebral Arterial Anatomy .....                               | 749        |
| Web Release New and Revised Codes .....  | 616        | Cerebral Venous Anatomy .....   | 750        |
| <b>Appendix C — Evaluation and Management Extended Guidelines .....</b>  | <b>619</b> | Normal Aortic Arch and Branch Anatomy—Transfemoral Approach .....                   | 751        |
| <b>Appendix D — Crosswalk of Deleted Codes .....</b>   | <b>635</b> | Superior and Inferior Mesenteric Arteries and Branches .....                        | 752        |
| <b>Appendix E — Resequenced Codes .....</b>  | <b>637</b> | Renal Artery Anatomy—Femoral Approach .....   | 753        |
| <b>Appendix F — Add-on Codes, Optum Modifier 50 Exempt, Modifier 51 Exempt, Optum Modifier 51 Exempt, Modifier 63 Exempt, and Modifier 95 Telemedicine Services ..</b> | <b>641</b> | Central Venous Anatomy .....  | 754        |
| Add-on Codes .....   | 641        | Portal System (Arterial) .....  | 755        |
| Optum Modifier 50 Exempt Codes .....   | 641        | Portal System (Venous) .....  | 756        |
| AMA Modifier 51 Exempt Codes .....   | 641        | Pulmonary Artery Angiography .....  | 757        |
| Optum Modifier 51 Exempt Codes .....   | 641        | Upper Extremity Arterial Anatomy—Transfemoral or Contralateral Approach .....       | 758        |
| Modifier 63 Exempt Codes .....   | 641        | Lower Extremity Arterial Anatomy—Contralateral, Axillary or Brachial Approach ..... | 759        |
| Telemedicine Services Codes .....  | 642        | Lower Extremity Venous Anatomy .....  | 760        |
| <b>Appendix G — Medicare Internet-only Manuals (IOMs) .....</b>  | <b>643</b> | Coronary Arteries Anterior View .....   | 761        |
| Medicare IOM References .....  | 643        | Left Heart Catheterization .....  | 761        |
| <b>Appendix H — Quality Payment Program .....</b>  | <b>645</b> | Right Heart Catheterization .....   | 762        |
| Proposed 2021 Changes .....  | 645        | Heart Conduction System .....   | 762        |
| <b>Appendix I — Medically Unlikely Edits (MUEs) .....</b>  | <b>647</b> |   |            |
| Professional .....   | 647        |   |            |
| OPPS .....   | 674        |   |            |

# Introduction

Welcome to Optum360's *Current Procedural Coding Expert*, an exciting Medicare coding and reimbursement tool and definitive procedure coding source that combines the work of the Centers for Medicare and Medicaid Services, American Medical Association, and Optum360 experts with the technical components you need for proper reimbursement and coding accuracy. Handy snap in tabs are included to indicate those sections used most often for easy reference.

This approach to CPT® Medicare coding utilizes innovative and intuitive ways of communicating the information you need to code claims accurately and efficiently. *Includes* and *Excludes* notes, similar to those found in the ICD-10-CM manual, help determine what services are related to the codes you are reporting. Icons help you crosswalk the code you are reporting to laboratory and radiology procedures necessary for proper reimbursement. CMS-mandated icons and relative value units (RVUs) help you determine which codes are most appropriate for the service you are reporting. Add to that additional information identifying age and sex edits, ambulatory surgery center (ASC) and ambulatory payment classification (APC) indicators, and Medicare coverage and payment rule citations, and *Current Procedural Coding Expert* provides the best in Medicare procedure reporting.

*Current Procedural Coding Expert* includes the information needed to submit claims to federal contractors and most commercial payers, and is correct at the time of printing. However, CMS, federal contractors, and commercial payers may change payment rules at any time throughout the year. *Current Procedural Coding Expert* includes effective codes that will not be published in the AMA's *Current Procedural Terminology (CPT)* book until the following year. Commercial payers will announce changes through monthly news or information posted on their websites. CMS will post changes in policy on its website at <http://www.cms.gov/transmittals>. National and local coverage determinations (NCDs and LCDs) provide universal and individual contractor guidelines for specific services. The existence of a procedure code does not imply coverage under any given insurance plan.

*Current Procedural Coding Expert* is based on the AMA's *Current Procedural Terminology* coding system, which is copyrighted and owned by the physician organization. The CPT codes are the nation's official, Health Information Portability and Accountability Act (HIPAA) compliant code set for procedures and services provided by physicians, ambulatory surgery centers (ASCs), and hospital outpatient services, as well as laboratories, imaging centers, physical therapy clinics, urgent care centers, and others.

## Getting Started with *Current Procedural Coding Expert*

*Current Procedural Coding Expert* is an exciting tool combining the most current material at the time of our publication from the AMA's CPT 2021, CMS's online manual system, the Correct Coding initiative, CMS fee schedules, official Medicare guidelines for reimbursement and coverage, the Integrated Outpatient Code Editor (I/OCE), and Optum360's own coding expertise.

These coding rules and guidelines are incorporated into more specific section notes and code notes. Section notes are listed under a range of codes and apply to all codes in that range. Code notes are found under individual codes and apply to the single code.

Material is presented in a logical fashion for those billing Medicare, Medicaid, and many private payers. The format, based on customer comments, better addresses what customers tell us they need in a comprehensive Medicare procedure coding guide.

Designed to be easy to use and full of information, this product is an excellent companion to your AMA CPT manual, and other Optum360 and Medicare resources.

For mid-year code updates, official errata changes, correction notices, and any other changes pertinent to the information in *Current Procedural*

*Coding Expert*, see our product update page at <https://www.optum360coding.com/ProductUpdates/>. The password for 2021 is PROCEDURE2021.

**Note:** The AMA releases code changes quarterly as well as errata or corrections to CPT codes and guidelines and posts them on their web site. Some of these changes may not appear in the AMA's CPT book until the following year. *Current Procedural Coding Expert* incorporates the most recent errata or release notes found on the AMA's web site at our publication time, including new, revised and deleted codes. *Current Procedural Coding Expert* identifies these new or revised codes from the AMA website errata or release notes with an icon similar to the AMA's current new ● and revised ▲ icons. For purposes of this publication, new CPT codes and revisions that won't be in the AMA book until the next edition are indicated with a ● and a ▲ icon. For the next year's edition of *Current Procedural Coding Expert*, these codes will appear with standard black new or revised icons, as appropriate, to correspond with those changes as indicated in the AMA's CPT book. CPT codes that were new for 2020 and appeared in the 2020 *Current Procedural Coding Expert* but did not appear in the AMA's CPT code book until 2021 are identified in appendix B as "Web Release New and Revised Codes."

## General Conventions

Many of the sources of information in this book can be determined by color.

- All CPT codes and descriptions and the Evaluation and Management guidelines from the American Medical Association are in **black text**.
- Includes, Excludes, and other notes appear in **blue text**. The resources used for this information are a variety of Medicare policy manuals, the *National Correct Coding Initiative Policy Manual (NCCI)*, AMA resources and guidelines, and specialty association resources and our Optum360 clinical experts.

## Resequencing of CPT Codes

The American Medical Association (AMA) uses a numbering methodology of resequencing, which is the practice of displaying codes outside of their numerical order according to the description relationship. According to the AMA, there are instances in which a new code is needed within an existing grouping of codes but an unused code number is not available. In these situations, the AMA will resequence the codes. In other words, it will assign a code that is not in numeric sequence with the related codes. However, the code and description will appear in the CPT manual with the other related codes.

An example of resequencing from *Current Procedural Coding Expert* follows:

|   |              |  |
|---|--------------|--|
|   | <b>21555</b> | <b>Excision, tumor, soft tissue of neck or anterior thorax, subcutaneous; less than 3 cm</b>                   |
| # | <b>21552</b> | <b>3 cm or greater</b>   |
|   | <b>21556</b> | <b>Excision, tumor, soft tissue of neck or anterior thorax, subfascial (eg, intramuscular); less than 5 cm</b> |
| # | <b>21554</b> | <b>5 cm or greater</b>   |

In *Current Procedural Coding Expert* the resequenced codes are listed twice. They appear in their resequenced position as shown above as well as in their original numeric position with a note indicating that the code is out of numerical sequence and where it can be found. (See example below.)

**21554**    **Resequenced code. See code following 21556.**

This differs from the AMA CPT book, in which the coder is directed to a code range that contains the resequenced code and description, rather than to a specific location.

Resequenced codes will appear in brackets in the headers, section notes, and code ranges. For example:

**O-Numeric**

-10, 11-Epoxide, [80161]  
**3-Beta-Hydroxysteroid Dehydrogenase Type II Deficiency**, 81404  
**3-Methylcrotonyl-CoA Carboxylase 1**, 81406  
**5,10-Methylenetetrahydrofolate Reductase**, [81291]

**A**

**A, C, Y, W-135 Combined Vaccine**, 90733-90734  
**A Vitamin**, 84590  
**Abbe-Estlander Procedure**, 40527, 40761  
**ABBI Biopsy**, 19081-19086  
**ABCA4**, 81408  
**ABCC8**, 81401, 81407  
**ABCD1**, 81405  
**Abdomen, Abdominal**  
 Abscess, 49020, 49040  
 Incision and Drainage  
 Skin and Subcutaneous Tissue, 10060-10061  
 Open, 49040  
 Peritoneal, 49020  
 Peritonitis, Localized, 49020  
 Retroperitoneal, 49060  
 Subdiaphragmatic, 49040  
 Subphrenic, 49040  
 Angiography, 74175, 75635  
**Aorta**  
 Aneurysm, 34701-34712 [34717, 34718], 34813, 34830-34832, 34841-34848, 35081-35103  
 Angiography, 75635  
 Aortography, 75625, 75630  
 Thromboendarterectomy, 35331  
 Aortic Aneurysm, 34701-34712 [34717, 34718], 34813, 34830-34832, 34841-34848, 35081-35103  
**Artery**  
 Ligation, 37617  
**Biopsy**  
 Incisional, 11106-11107  
 Open, 49000  
 Percutaneous, 49180  
 Punch, 11104-11105  
 Skin, Tangential, 11102-11103  
 Bypass Graft, 35907  
**Cannula/Catheter**  
 Insertion, 49419, 49421  
 Removal, 49422  
**Catheter**  
 Removal, 49422  
 Celiotomy, 49000  
 CT Scan, 74150-74178, 75635  
**Cyst**  
 Destruction/Excision, 49203-49205  
 Sclerotherapy, 49185  
**Delivery**  
 After Attempted Vaginal Delivery  
 Delivery Only, 59620  
 Postpartum Care, 59622  
 Routine Care, 59618  
 Delivery Only, 59514  
 Peritoneal Abscess  
 Open, 49020  
 Peritonitis, Localized, 49020  
 Postpartum Care, 59515  
 Routine Care, 59510  
 Tubal Ligation at Time of, 58611 with Hysterectomy, 59525  
**Drainage**, 49020, 49040  
 Fluid, 49082-49083  
 Retroperitoneal  
 Open, 49060  
 Skin and Subcutaneous Tissue, 10060-10061  
 Subdiaphragmatic  
 Open, 49040  
 Subphrenic  
 Open, 49040  
 Ectopic Pregnancy, 59130  
 Endometrioma, 49203-49205  
 Destruction/Excision, 49203-49205  
**Excision**  
 Excess Skin, 15830

**Abdomen, Abdominal — continued**

Excision — *continued*  
 Tumor, Abdominal Wall, 22900  
 Exploration, 49000-49084  
 Blood Vessel, 35840  
 Staging, 58960  
 Hernia Repair, 49491-49590, 49650-49659  
 Incision, 49000-49084  
 Staging, 58960  
 Incision and Drainage  
 Pancreatitis, 48000  
 Intraumbilical Panniculectomy, 15830  
 Injection  
 Air, 49400  
 Contrast Material, 49400  
 Insertion  
 Catheter, 49324, 49418-49421  
 Venous Shunt, 49425  
 Intraoperative  
 Catheter Exit Site, 49436  
 Catheter Insertion, 49324, 49418-49421, 49425, 49435  
 Catheter Removal, 49422  
 Catheter Revision, 49325  
 Shunt  
 Insertion, 49425  
 Ligation, 49428  
 Removal, 49429  
 Revision, 49426  
 Laparoscopy, 49320-49329  
**Laparotomy**  
 Exploration, 47015, 49000-49002, 58960  
 Hemorrhage Control, 49002  
 Reopening, 49002  
 Second Look, 58960  
 Staging, 58960  
 with Biopsy, 49000  
 Lymphangiogram, 75805, 75807  
 Magnetic Resonance Imaging (MRI), 74181-74183  
 Fetal, 74712-74713  
 Needle Biopsy  
 Mass, 49180  
 Pancreatitis, 48000  
 Paracentesis, 49082-49083  
 Peritoneal Abscess, 49020  
 Peritoneal Lavage, 49084  
 Placement Guidance Devices, 49411-49412  
 Radical Resection, 51597  
 Repair  
 Blood Vessel, 35221  
 with  
 Other Graft, 35281  
 Vein Graft, 35251  
 Hernia, 49491-49590, 49650-49659  
 Suture, 49900  
 Revision  
 Venous Shunt, 49426  
 Suture, 49900  
**Tumor**  
 Destruction/Excision, 49203-49205  
 Tumor Staging, 58960  
 Ultrasound, 76700, 76705, 76706  
 Unlisted Services and Procedures, 49999  
**Wall**  
 See Abdomen, X-ray  
 Debridement  
 Infected, 11005-11006  
**Implant**  
 Fascial Reinforcement, 0437T  
 Reconstruction, 49905  
**Removal**  
 Mesh, 11008  
 Prosthesis, 11008  
**Repair**  
 Hernia, 49491-49590  
 by Laparoscopy, 49650-49651  
 Surgery, 22999  
**Tumor**  
 Excision, 22900-22905  
**Wound Exploration**  
 Penetrating, 20102  
 X-ray, 74018-74022  
**Abdominal Plane Block**  
 Bilateral, 64488-64489  
 Unilateral, 64486-64487

**Abdominohysterectomy**

Radical, 58210  
 Resection of Ovarian Malignancy, 58951, 58953-58954, 58956  
 Supracervical, 58180  
 Total, 58150, 58200  
 with Colpo-Urethroscopy, 58152  
 with Omentectomy, 58956  
 with Partial Vaginectomy, 58200  
**Abdominoplasty**, 15830, 15847, 17999  
**ABG**, 82803, 82805  
**ABL1**, 81401  
**Ablation**  
 Anal  
 Polyp, 46615  
 Tumor, 46615  
 Atria, 33254-33259  
 Bone Tumor, 20982-20983  
 Breast Tumor, 0581T  
 Colon  
 Polyp(s) or Tumor(s), [44401], [45346], [45388]  
 Cryosurgical  
 Breast Tumor, 0581T  
 Fibroadenoma, 19105  
 Liver Tumor(s), 47381  
 Nerve, 0440T-0442T  
 Renal Mass, 50250  
 Renal Tumor  
 Percutaneous, 50593  
 CT Scan Guidance, 77013  
 Endometrial, 58353, 58356, 58563  
 Endometrium  
 Ultrasound Guidance, 58356  
 Endoscopic  
 Duodenum/Jejunum, [43270]  
 Esophagus, 43229, [43270]  
 Hepatobiliary System, [43278]  
 Stomach, [43270]  
 Endovenous, 0524T, 36473-36479 [36482, 36483]  
 Fractional Laser Fenestration  
 Infants and Children, 0479T-0480T  
**Heart**  
 Arrhythmic Focus, 93650-93657  
 Intracardiac Catheter, 93650-93657  
 Open, 33250-33261  
 Intracardiac Pacing and Mapping, 93631  
 Follow-up Study, 93624  
 Stimulation and Pacing, 93623  
**Liver**  
 Tumor, 47380-47383  
 Ablation  
 Cryoablation, 47381, 47383  
 Radiofrequency, 47380, 47382  
 Laparoscopic, 47370-47371  
 Cryosurgical, 47371  
 Open, 47380-47381  
**Lung**  
 Tumor  
 Cryoablation, [32994]  
 Radiofrequency, 32998  
 Magnetic Resonance Guidance, 77022  
**Nerve**  
 Cryoablation, 0440T-0442T  
 Percutaneous, 0632T  
 Open Wound, 0491T-0492T  
 Parenchymal Tissue  
 CT Scan Guidance, 77013  
 Magnetic Resonance Guidance, 77022  
 Ultrasound Guidance, 76940  
**Prostate**, 55873  
 High Intensity-focused Ultrasound (HIFU)  
 Transrectal, 55880  
 High-energy Water Vapor Thermotherapy, 0582T  
 Transurethral Waterjet, 0421T  
**Pulmonary Tumor**  
 Cryoablation, [32994]  
 Radiofrequency, 32998  
**Radiofrequency**  
 Liver Tumor(s), 47382  
 Lung Tumor(s), 32998  
 Renal Tumor(s), 50592  
 Tongue Base, 41530

**Ablation — continued**

**Renal**  
 Cyst, 50541  
 Mass, 50542  
 Radiofrequency, 50592  
 Tumor, 50593  
 Cryotherapy  
 Percutaneous, 50593  
 Supraventricular Arrhythmic Focus, 33250-33251  
**Tongue Base**  
 Radiofrequency, 41530  
**Tumor**  
 Electroporation, Irreversible, 0600T, 0601T  
 Turbinate Mucosa, 30801, 30802  
**Ultrasound**  
 Guidance, 76940  
 Ultrasound Focused, 0071T-0072T  
 Uterine Tumor, 0071T-0072T  
**Uterus**  
 Fibroids, 0404T, [58674]  
 Leiomyoma, 0071T-0072T  
 Tumor  
 Ultrasound, Focused, 0071T-0072T  
**Vein**  
 Endovenous, 0524T, 36473-36479 [36482, 36483]  
 Ventricular Arrhythmic Focus, 33261  
**ABLB Test**, 92562  
**ABO**, 86900  
**Abortion**  
 See Obstetrical Care  
 Incomplete, 59812  
 Induced by  
 Amniocentesis Injection, 59850-59852  
 Dilatation and Curettage, 59840  
 Dilatation and Evacuation, 59841  
 Saline, 59850, 59851  
 Vaginal Suppositories, 59855, 59856  
 with Hysterotomy, 59100, 59852, 59857  
**Missed**  
 First Trimester, 59820  
 Second Trimester, 59821  
**Septic**, 59830  
**Spontaneous**, 59812  
 Therapeutic, 59840-59852  
 by Saline, 59850  
 with Dilatation and Curettage, 59851  
 with Hysterotomy, 59852  
**Abrasion, Skin**  
 Chemical Peel, 15788-15793  
 Dermabrasion, 15780-15783  
 Lesion, 15786, 15787  
**ABS**, 86255, 86403, 86850  
**Abscess**  
 Abdomen, 49040  
 Drainage, 49020, 49040  
 Peritoneal  
 Open, 49020  
 Peritonitis, Localized, 49020  
 Retroperitoneal  
 Open, 49060  
 Skin and Subcutaneous Tissue  
 Complicated, 10061  
 Multiple, 10061  
 Simple, 10060  
 Single, 10060  
 Subdiaphragmatic  
 Open, 49040  
 Subphrenic, 49040  
 Incision and Drainage  
 Open, 49040  
**Anal**  
 Incision and Drainage, 46045, 46050  
**Ankle**  
 Incision and Drainage  
 Bone Abscess, 27607  
 Deep Abscess, 27603  
 Hematoma, 27603  
**Appendix**  
 Incision and Drainage, 44900  
**Arm, Lower**, 25028  
 Bone Abscess, 25035  
 Excision, 25145

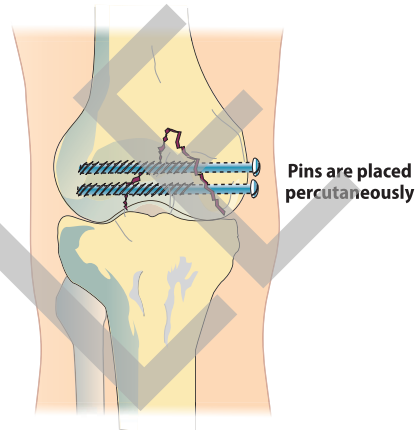
- 27485 **Arrest, hemiepiphyseal, distal femur or proximal tibia or fibula (eg, genu varus or valgus)**  
🔪 19.3 🔪 19.3 **FUD 090** J 50 📄  
 AMA: 2018,Sep,7
- 27486 **Revision of total knee arthroplasty, with or without allograft; 1 component**  
🔪 40.6 🔪 40.6 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7; 2018,Apr,10; 2018,Jan,8; 2017,Jan,8; 2016,Jan,13; 2015,Jul,10; 2015,Jan,16
- 27487 **femoral and entire tibial component**  
🔪 50.8 🔪 50.8 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7; 2018,Jan,8; 2017,Jan,8; 2016,Jan,13; 2015,Jan,16
- 27488 **Removal of prosthesis, including total knee prosthesis, methylmethacrylate with or without insertion of spacer, knee**  
🔪 34.7 🔪 34.7 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7; 2018,Jan,8; 2017,Jan,8; 2016,Jan,13; 2015,Jan,16
- 27495 **Prophylactic treatment (nailing, pinning, plating, or wiring) with or without methylmethacrylate, femur**  
🔪 32.5 🔪 32.5 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7
- 27496 **Decompression fasciotomy, thigh and/or knee, 1 compartment (flexor or extensor or adductor);**  
🔪 15.7 🔪 15.7 **FUD 090** J A2 50 📄  
 AMA: 2018,Sep,7
- 27497 **with debridement of nonviable muscle and/or nerve**  
🔪 16.7 🔪 16.7 **FUD 090** J A2 80 50 📄  
 AMA: 2018,Sep,7
- 27498 **Decompression fasciotomy, thigh and/or knee, multiple compartments;**  
🔪 18.8 🔪 18.8 **FUD 090** J A2 80 50 📄  
 AMA: 2018,Sep,7
- 27499 **with debridement of nonviable muscle and/or nerve**  
🔪 20.2 🔪 20.2 **FUD 090** J A2 80 50 📄  
 AMA: 2018,Sep,7

**27500-27566 Treatment of Fracture/Dislocation of Femur/Knee**

I **INCLUDES** Closed, percutaneous, and open treatment fractures and dislocations

- 27500 **Closed treatment of femoral shaft fracture, without manipulation**  
🔪 13.8 🔪 15.0 **FUD 090** T A2 50 📄  
 AMA: 2018,Sep,7
- 27501 **Closed treatment of supracondylar or transcondylar femoral fracture with or without intercondylar extension, without manipulation**  
🔪 14.3 🔪 14.5 **FUD 090** T A2 80 50 📄  
 AMA: 2018,Sep,7
- 27502 **Closed treatment of femoral shaft fracture, with manipulation, with or without skin or skeletal traction**  
🔪 21.9 🔪 21.9 **FUD 090** J A2 50 📄  
 AMA: 2018,Sep,7; 2018,Jan,8; 2017,Jan,8; 2016,Jan,13; 2015,Jan,16
- 27503 **Closed treatment of supracondylar or transcondylar femoral fracture with or without intercondylar extension, with manipulation, with or without skin or skeletal traction**  
🔪 23.1 🔪 23.1 **FUD 090** J A2 80 50 📄  
 AMA: 2018,Sep,7
- 27506 **Open treatment of femoral shaft fracture, with or without external fixation, with insertion of intramedullary implant, with or without cerclage and/or locking screws**  
🔪 38.6 🔪 38.6 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7; 2018,Jan,8; 2017,Jan,8; 2016,Jan,13; 2015,Jan,16

- 27507 **Open treatment of femoral shaft fracture with plate/screws, with or without cerclage**  
🔪 28.0 🔪 28.0 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7
- 27508 **Closed treatment of femoral fracture, distal end, medial or lateral condyle, without manipulation**  
🔪 14.3 🔪 15.0 **FUD 090** T A2 50 📄  
 AMA: 2018,Sep,7
- 27509 **Percutaneous skeletal fixation of femoral fracture, distal end, medial or lateral condyle, or supracondylar or transcondylar, with or without intercondylar extension, or distal femoral epiphyseal separation**  
🔪 18.6 🔪 18.6 **FUD 090** J A2 80 50 📄  
 AMA: 2018,Dec,10; 2018,Dec,10; 2018,Sep,7



- 27510 **Closed treatment of femoral fracture, distal end, medial or lateral condyle, with manipulation**  
🔪 19.6 🔪 19.6 **FUD 090** J A2 50 📄  
 AMA: 2018,Sep,7
- 27511 **Open treatment of femoral supracondylar or transcondylar fracture without intercondylar extension, includes internal fixation, when performed**  
🔪 28.8 🔪 28.8 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7
- 27513 **Open treatment of femoral supracondylar or transcondylar fracture with intercondylar extension, includes internal fixation, when performed**  
🔪 35.9 🔪 35.9 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7
- 27514 **Open treatment of femoral fracture, distal end, medial or lateral condyle, includes internal fixation, when performed**  
🔪 27.9 🔪 27.9 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7
- 27516 **Closed treatment of distal femoral epiphyseal separation; without manipulation**  
🔪 13.8 🔪 14.7 **FUD 090** T A2 50 📄  
 AMA: 2018,Sep,7
- 27517 **with manipulation, with or without skin or skeletal traction**  
🔪 19.6 🔪 19.6 **FUD 090** J A2 80 50 📄  
 AMA: 2018,Sep,7
- 27519 **Open treatment of distal femoral epiphyseal separation, includes internal fixation, when performed**  
🔪 25.7 🔪 25.7 **FUD 090** C 80 50 📄  
 AMA: 2018,Sep,7
- 27520 **Closed treatment of patellar fracture, without manipulation**  
🔪 8.54 🔪 9.25 **FUD 090** T A2 50 📄  
 AMA: 2018,Sep,7

**51020-51080 Open Incisional Procedures of Bladder**

- 51020 Cystotomy or cystostomy; with fulguration and/or insertion of radioactive material  
🔪 13.5 🔪 13.5 **FUD 090** J A2 80 📄  
 AMA: 2014,Jan,11
- 51030 with cryosurgical destruction of intravesical lesion  
🔪 13.6 🔪 13.6 **FUD 090** J A2 80 📄  
 AMA: 2014,Jan,11
- 51040 Cystostomy, cystostomy with drainage  
🔪 8.36 🔪 8.36 **FUD 090** J A2 80 📄  
 AMA: 2014,Jan,11
- 51045 Cystotomy, with insertion of ureteral catheter or stent (separate procedure)  
🔪 14.2 🔪 14.2 **FUD 090** J A2 80 📄  
 AMA: 2014,Jan,11
- 51050 Cystolithotomy, cystostomy with removal of calculus, without vesical neck resection  
🔪 13.6 🔪 13.6 **FUD 090** J A2 80 📄  
 AMA: 2014,Jan,11
- 51060 Transvesical ureterolithotomy  
🔪 16.8 🔪 16.8 **FUD 090** J 80 📄  
 AMA: 2014,Jan,11
- 51065 Cystotomy, with calculus basket extraction and/or ultrasonic or electrohydraulic fragmentation of ureteral calculus  
🔪 16.7 🔪 16.7 **FUD 090** J A2 80 📄  
 AMA: 2014,Jan,11; 2002,May,7
- 51080 Drainage of perivesical or prevesical space abscess  
EXCLUDES Image-guided percutaneous catheter drainage (49406)  
🔪 11.8 🔪 11.8 **FUD 090** J A2 80 📄  
 AMA: 2014,Jan,11

**51100-51102 Bladder Aspiration Procedures**

- 51100 Aspiration of bladder; by needle  
📄 (76942, 77002, 77012)  
🔪 1.12 🔪 1.95 **FUD 000** T P3 📄  
 AMA: 2018,Jan,8; 2017,Jan,8; 2016,Jan,13; 2015,Jan,16
- 
- 51101 by trocar or intracatheter  
📄 (76942, 77002, 77012)  
🔪 1.50 🔪 3.79 **FUD 000** S P3 📄  
 AMA: 2018,Jan,8; 2017,Jan,8; 2016,Jan,13; 2015,Jan,16
  - 51102 with insertion of suprapubic catheter  
📄 (76942, 77002, 77012)  
🔪 4.18 🔪 6.60 **FUD 000** J A2 📄  
 AMA: 2018,Jan,8; 2017,Jan,8; 2016,Jan,13; 2015,Jan,16

**51500-51597 Open Excisional Procedures of Bladder**

- 51500 Excision of urachal cyst or sinus, with or without umbilical hernia repair  
🔪 18.4 🔪 18.4 **FUD 090** J A2 80 📄  
 AMA: 2014,Jan,11
- 51520 Cystotomy; for simple excision of vesical neck (separate procedure)  
🔪 17.2 🔪 17.2 **FUD 090** J A2 80 📄  
 AMA: 2014,Jan,11
- 51525 for excision of bladder diverticulum, single or multiple (separate procedure)  
EXCLUDES Transurethral resection (52305)  
🔪 24.8 🔪 24.8 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11
- 51530 for excision of bladder tumor  
EXCLUDES Transurethral resection (52234-52240, 52305)  
🔪 22.2 🔪 22.2 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11
- 51535 Cystotomy for excision, incision, or repair of ureterocele  
EXCLUDES Transurethral excision (52300)  
🔪 22.5 🔪 22.5 **FUD 090** J 62 80 📄  
 AMA: 2014,Jan,11; 1993,Sum,25
- 51550 Cystectomy, partial; simple  
🔪 27.9 🔪 27.9 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11
- 51555 complicated (eg, postradiation, previous surgery, difficult location)  
🔪 36.6 🔪 36.6 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11
- 51565 Cystectomy, partial, with reimplantation of ureter(s) into bladder (ureteroneocystostomy)  
🔪 37.5 🔪 37.5 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11
- 51570 Cystectomy, complete; (separate procedure)  
🔪 42.6 🔪 42.6 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11; 1993,Spr,34
- 51575 with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes  
🔪 52.7 🔪 52.7 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11; 1993,Spr,34
- 51580 Cystectomy, complete, with ureterosigmoidostomy or ureterocutaneous transplantations;  
🔪 54.8 🔪 54.8 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11; 1993,Spr,34
- 51585 with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes  
🔪 61.0 🔪 61.0 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11; 1993,Spr,34
- 51590 Cystectomy, complete, with ureteroileal conduit or sigmoid bladder, including intestine anastomosis;  
🔪 55.9 🔪 55.9 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11; 2002,May,7
- 51595 with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes  
🔪 63.3 🔪 63.3 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11; 2002,May,7
- 51596 Cystectomy, complete, with continent diversion, any open technique, using any segment of small and/or large intestine to construct neobladder  
🔪 68.1 🔪 68.1 **FUD 090** C 80 📄  
 AMA: 2014,Jan,11; 2002,May,7

# Appendix A — Modifiers

## CPT Modifiers

A modifier is a two-position alpha or numeric code appended to a CPT® code to clarify the services being billed. Modifiers provide a means by which a service can be altered without changing the procedure code. They add more information, such as the anatomical site, to the code. In addition, they help to eliminate the appearance of duplicate billing and unbundling. Modifiers are used to increase accuracy in reimbursement, coding consistency, editing, and to capture payment data.

- 22 Increased Procedural Services:** When the work required to provide a service is substantially greater than typically required, it may be identified by adding modifier 22 to the usual procedure code. Documentation must support the substantial additional work and the reason for the additional work (ie, increased intensity, time, technical difficulty of procedure, severity of patient's condition, physical and mental effort required).  
**Note:** This modifier should not be appended to an E/M service.
- 23 Unusual Anesthesia:** Occasionally, a procedure, which usually requires either no anesthesia or local anesthesia, because of unusual circumstances must be done under general anesthesia. This circumstance may be reported by adding modifier 23 to the procedure code of the basic service.
- 24 Unrelated Evaluation and Management Service by the Same Physician or Other Qualified Health Care Professional During a Postoperative Period:** The physician or other qualified health care professional may need to indicate that an evaluation and management service was performed during a postoperative period for a reason(s) unrelated to the original procedure. This circumstance may be reported by adding modifier 24 to the appropriate level of E/M service.
- 25 Significant, Separately Identifiable Evaluation and Management Service by the Same Physician or Other Qualified Health Care Professional on the Same Day of the Procedure or Other Service:** It may be necessary to indicate that on the day a procedure or service identified by a CPT code was performed, the patient's condition required a significant, separately identifiable E/M service above and beyond the other service provided or beyond the usual preoperative and postoperative care associated with the procedure that was performed. A significant, separately identifiable E/M service is defined or substantiated by documentation that satisfies the relevant criteria for the respective E/M service to be reported (see Evaluation and Management Services Guidelines for instructions on determining level of E/M service). The E/M service may be prompted by the symptom or condition for which the procedure and/or service was provided. As such, different diagnoses are not required for reporting of the E/M services on the same date. This circumstance may be reported by adding modifier 25 to the appropriate level of E/M service.  
**Note:** This modifier is not used to report an E/M service that resulted in a decision to perform surgery. See modifier 57. For significant, separately identifiable non-E/M services, see modifier 59.
- 26 Professional Component:** Certain procedures are a combination of a physician or other qualified health care professional component and a technical component. When the physician or other qualified health care professional component is reported separately, the service may be identified by adding modifier 26 to the usual procedure number.
- 32 Mandated Services:** Services related to *mandated* consultation and/or related services (eg, third party payer, governmental, legislative or regulatory requirement) may be identified by adding modifier 32 to the basic procedure.
- 33 Preventive Services:** When the primary purpose of the service is the delivery of an evidence based service in accordance with a US Preventive Services Task Force A or B rating in effect and other preventive services identified in preventive services mandates (legislative or regulatory), the service may be identified by adding 33 to the procedure. For separately reported services specifically identified as preventive, the modifier should not be used.
- 47 Anesthesia by Surgeon:** Regional or general anesthesia provided by the surgeon may be reported by adding modifier 47 to the basic service. (This does not include local anesthesia.)  
**Note:** Modifier 47 would not be used as a modifier for the anesthesia procedures.
- 50 Bilateral Procedure:** Unless otherwise identified in the listings, bilateral procedures that are performed at the same session should be identified by adding modifier 50 to the appropriate 5 digit code.  
**Note:** This modifier should not be appended to designated "add-on" codes (see Appendix F).
- 51 Multiple Procedures:** When multiple procedures, other than E/M services, Physical Medicine and Rehabilitation services or provision of supplies (eg, vaccines), are performed at the same session by the same individual, the primary procedure or service may be reported as listed. The additional procedure(s) or service(s) may be identified by appending modifier 51 to the additional procedure or service code(s).  
**Note:** This modifier should not be appended to designated "add-on" codes (see Appendix F).
- 52 Reduced Services:** Under certain circumstances a service or procedure is partially reduced or eliminated at the discretion of the physician or other qualified health care professional. Under these circumstances the service provided can be identified by its usual procedure number and the addition of modifier 52, signifying that the service is reduced. This provides a means of reporting reduced services without disturbing the identification of the basic service.  
**Note:** For hospital outpatient reporting of a previously scheduled procedure/service that is partially reduced or cancelled as a result of extenuating circumstances or those that threaten the well-being of the patient prior to or after administration of anesthesia, see modifiers 73 and 74 (see modifiers approved for ASC hospital outpatient use).
- 53 Discontinued Procedure:** Under certain circumstances, the physician or other qualified health care professional may elect to terminate a surgical or diagnostic procedure. Due to extenuating circumstances or those that threaten the well being of the patient, it may be necessary to indicate that a surgical or diagnostic procedure was started but discontinued. This circumstance may be reported by adding modifier 53 to the code reported by the physician for the discontinued procedure.  
**Note:** This modifier is not used to report the elective cancellation of a procedure prior to the patient's anesthesia induction and/or surgical preparation in the operating suite. For outpatient hospital/ambulatory surgery center (ASC) reporting of a previously scheduled procedure/service that is partially reduced or cancelled as a result of extenuating circumstances or those that threaten the well being of the patient prior to or after administration of anesthesia, see modifiers 73 and 74 (see modifiers approved for ASC hospital outpatient use).
- 54 Surgical Care Only:** When 1 physician or other qualified health care professional performs a surgical procedure and another provides preoperative and/or postoperative management, surgical services may be identified by adding modifier 54 to the usual procedure number.
- 55 Postoperative Management Only:** When 1 physician or other qualified health care professional performed the postoperative management and another performed the surgical procedure, the postoperative component may be identified by adding modifier 55 to the usual procedure number.
- 56 Preoperative Management Only:** When 1 physician or other qualified health care professional performed the preoperative care and evaluation and another performed the surgical procedure, the preoperative component may be identified by adding modifier 56 to the usual procedure number.
- 57 Decision for Surgery:** An evaluation and management service that resulted in the initial decision to perform the surgery may be identified by adding modifier 57 to the appropriate level of E/M service.