Optum

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ICD-10-PCS Expert

The complete official code set

Codes valid from October 1, 2026
through September 30, 2027

2027

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Contents

Introduction

ICD-10-PCS: The Complete Official Code Set is your definitive coding resource for procedure coding in acute inpatient hospitals. In addition to the official ICD-10-PCS Coding System Files, revised and distributed by the Centers for Medicare and Medicaid Services (CMS), Optum's coding experts have incorporated Medicare-related coding edits and proprietary features, such as coding tools and appendixes, into a comprehensive and easy-to-use reference.

This manual provides the most current information that was available at the time of publication. For updates to official source documents that may have occurred after this manual was published, please refer to the following:

- **CMS International Classification of Disease, 10th Revision, Procedural Coding System (ICD-10-PCS):**
  https://www.cms.gov/medicare/coding-billing/icd-10-codes/2027-icd-10-pcs

- **CMS Inpatient Prospective Payment System (IPPS) and v42 MS-DRG Data Files, FY 2027**
  https://www.cms.gov/medicare/payment/prospective-payment-systems/acute-inpatient-pps/fy-2027-ipps-proposed-rule-home-page
  https://www.cms.gov/medicare/payment/prospective-payment-systems/acute-inpatient-pps/ms-drg-classifications-and-software

- **American Hospital Association (AHA) Coding Clinics** https://www.codingclinicadvisor.com/

ICD-10-PCS Code Structure

All codes in ICD-10-PCS are seven characters long. Each character in the seven-character code represents an aspect of the procedure, as shown in the following diagram of characters from the main section of ICD-10-PCS, called the Medical and Surgical section.

	Section	Body System	Root Operation	Body Part	Approach	Device	Qualifier
Characters:	1	2	3	4	5	6	7
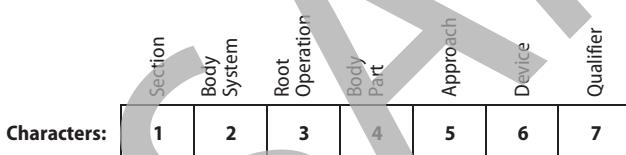
One of 34 possible alphanumeric values—using the digits Ø–9 and letters A–H, J–N, and P–Z—can be assigned to each character in a code. The letters O and I are not used so as to avoid confusion with the digits Ø and 1. A code is derived by choosing a specific value for each of the seven characters, based on details about the procedure performed. Because the definition of each character is a function of its physical position in the code, the same value placed in a different position means something different; the value Ø as the first character means something different from Ø as the second character or as the third character, and so on.

The first character always determines the broad procedure category, or section. The second through seventh characters have the same meaning within a specific section, but these meanings can change in a different section. For example, the sixth character means "device" in the Medical and Surgical section but "qualifier" in the Imaging section.

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Codes may be found in the index based on the general type of procedure (e.g., resection, transfusion, fluoroscopy), or a more commonly used term (e.g., appendectomy). For example, the code for percutaneous intraluminal dilation of the coronary arteries with an intraluminal device can be found in the Index under *Dilation*, or a synonym of *Dilation* (e.g., angioplasty). The Index then specifies the first three or four values of the code or directs the user to see another term.

Example:

> **Dilation**
> Artery
> Coronary
> One Artery Ø27Ø

Based on the first three values of the code provided in the Index, the corresponding table can be located. In the example above, the first three values indicate table Ø27 is to be referenced for code completion.

The tables and characters are arranged first by number and then by letter for each character (tables for ØØ-, Ø1-, Ø2-, etc., are followed by those for ØB-, ØC-, ØD-, etc., followed by ØB1, ØB2, etc., followed by ØBB, ØBC, ØBD, etc.).

Note: The Tables section must be used to construct a complete and valid code by specifying the last three or four values.

Tables

The tables in ICD-10-PCS provide the valid combination of character values needed to build a unique procedure code. Each table is preceded by the first three characters of the code, along with their descriptions. In the Medical and Surgical section, for example, the first three characters contain the name of the section (character 1), the body system (character 2), and the root operation performed (character 3).

Listed underneath the first three characters is a table comprising four columns and one or more rows. The four columns in the table specify the last four characters needed to complete the ICD-10-PCS code. Depending on the section, the labels for each column may be different. In the Medical and Surgical section, they are labeled body part (character 4), approach (character 5), device (character 6), and qualifier (character 7). Each row in the table specifies the valid combination of values for characters 4 through 7.

Placement Section (2)

The Placement section includes codes for procedures that put a device in an orifice or on a body region, without making an incision or a puncture.

Character Meanings

The seven characters in the Placement section have the following meaning:

Character	Meaning
1	Section
2	Body System
3	Root Operation
4	Body Region
5	Approach
6	Device
7	Qualifier

Section (Character 1)

Placement procedure codes have a first character value of *2*.

Body System (Character 2)

The second character contains two values specifying either *Anatomical Regions* or *Anatomical Orifices*.

Root Operation (Character 3)

The third character represents the root operation, or the primary objective, of the procedure. There are seven values available in this section. Two of the values specify root operations as defined in the Medical and Surgical section and include *Change* and *Removal*. The other five values are specific to this section only and are defined as follows:

- *Compression*: Putting pressure on a body region
- *Dressing*: Putting material on a body region for protection
- *Immobilization*: Limiting or preventing motion of an external body region
- *Packing*: Putting material in a body region or orifice
- *Traction*: Exerting a pulling force on a body region in a distal direction

Body Region (Character 4)

The fourth character represents the specific body region or orifice. The body system (second character) provides only a general indication of the procedure site. The body region values and body system values, together, precisely describe the procedure site.

Approach (Character 5)

The fifth character represents the approach. Since all placement procedures are performed directly or indirectly on the skin or mucous membrane, the approach value is always *External*.

Device (Character 6)

The sixth character represents a device placed during the procedure, where applicable.

Except for devices used for fractures and dislocations, devices in this section are off the shelf and do not require any extensive design, fabrication, or fitting.

Qualifier (Character 7)

The seventh character is a qualifier. Because there are currently no specific qualifier values in this section, the value is always *No Qualifier*.

Administration Section (3)

The Administration section includes infusions, injections, and transfusions, as well as other related procedures, such as irrigation and tattooing. All codes in this section define procedures in which a diagnostic or therapeutic substance is given to the patient.

Character Meanings

The seven characters in the Administration section have the following meaning:

Character	Meaning
1	Section
2	Body System
3	Root Operation
4	Body System/Region
5	Approach
6	Substance
7	Qualifier

Section (Character 1)

Administration procedure codes have a first character value of *3*.

Body System (Character 2)

The second character can represent the general physiological system, anatomical region, or device to which a substance is being administered. The three values available in this section are *Indwelling Device, Physiological Systems and Anatomical Regions,* and *Circulatory System*.

Root Operation (Character 3)

The third character represents the root operation, or the primary objective, of the procedure. There are three values available in this section.

- *Introduction*: Putting in or on a therapeutic, diagnostic, nutritional, physiological, or prophylactic substance except blood or blood products
- *Irrigation*: Putting in or on a cleansing substance
- *Transfusion*: Putting in blood or blood products

Body/System Region (Character 4)

The fourth character represents the body system/region. The fourth character identifies the site where the substance is administered, not the site where the substance administered takes effect. Sites include *Skin and Mucous Membranes, Subcutaneous Tissue,* and *Muscle*. These differentiate intradermal, subcutaneous, and intramuscular injections, respectively. Other sites include *Eye, Respiratory Tract, Peritoneal Cavity,* and *Epidural Space*.

The body systems/regions for arteries and veins are *Peripheral Artery, Central Artery, Peripheral Vein,* and *Central Vein*. The *Peripheral Artery* or *Vein* is typically used when a substance is introduced locally into an artery or vein. For example, chemotherapy is the introduction of an antineoplastic substance into a peripheral artery or vein by a percutaneous approach. In general, the substance introduced into a peripheral artery or vein has a systemic effect.

ICD-10-PCS Index and Tabular Format

The *ICD-10-PCS: The Complete Official Code Set* is based on the official version of the International Classification of Diseases, 10th Revision, Procedure Classification System, issued by the U.S. Department of Health and Human Services, Centers for Medicare and Medicaid Services. This book is consistent with the content of the government's version of ICD-10-PCS and follows their official format.

Index

The Alphabetic Index can be used to locate the appropriate table containing all the information necessary to construct a procedure code, however, the PCS tables should always be consulted to find the most appropriate valid code. Users may choose a valid code directly from the tables—he or she need not consult the index before proceeding to the tables to complete the code.

Main Terms

The Alphabetic Index reflects the structure of the tables. Therefore, the index is organized as an alphabetic listing. The index:

- Is based on the value of the third character
- Contains common procedure terms
- Lists anatomic sites
- Uses device terms

The main terms in the Alphabetic Index are root operations, root procedure types, or common procedure names. In addition, anatomic sites from the Body Part Key and device terms from the Device Key have been added for ease of use.

Examples:

Resection (root operation)

Fluoroscopy (root type)

Prostatectomy (common procedure name)

Brachiocephalic artery (body part)

Bard® Dulex™ mesh (device)

The index provides at least the first three or four values of the code, and some entries may provide complete valid codes. However, the user should always consult the appropriate table to verify that the most appropriate valid code has been selected.

Root Operation and Procedure Type Main Terms

For the *Medical and Surgical* and related sections, the root operation values are used as main terms in the index. The subterms under the root operation main terms are body parts. For the Ancillary section of the tables, the main terms in the index are the general type of procedure performed.

Examples:

Biofeedback GZC9ZZZ
Destruction
 Acetabulum
  Left ØQ55
  Right ØQ54
 Adenoids ØC5Q
 Ampulla of Vater ØF5C

Planar Nuclear Medicine Imaging
 Abdomen CW1Ø

See Reference

The second type of term in the index uses common procedure names, such as "appendectomy" or "fundoplication." These common terms are listed as main terms with a "see" reference noting the PCS root operations that are possible valid code tables based on the objective of the procedure.

Examples:

Tendonectomy
 see Excision, Tendons ØLB
 see Resection, Tendons ØLT

Use Reference

The index also lists anatomic sites from the Body Part Key and device terms from the Device Key. These terms are listed with a "use" reference. The purpose of these references is to act as an additional reference to the terms located in the Appendix Keys. The term provided is the Body Part value or Device value to be selected when constructing a procedure code using the code tables. This type of index reference is not intended to direct the user to another term in the index, but to provide guidance regarding character value selection. Therefore, "use" references generally do not refer to specific valid code tables.

Examples:

CoAxia NeuroFlo catheter
 use Intraluminal Device
Epitrochlear lymph node
 use Lymphatic, Left Upper Extremity
 use Lymphatic, Right Upper Extremity
SynCardia Total Artificial Heart
 use Synthetic Substitute

Code Tables

ICD-10-PCS contains 17 sections of Code Tables organized by general type of procedure. The first three characters of a procedure code define each table. The tables consist of columns providing the possible last four characters of codes and rows providing valid values for each character. Within a PCS table, valid codes include all combinations of choices in characters 4 through 7 contained in the same row of the table. All seven characters must be specified to form a valid code.

There are three main sections of tables:

- Medical and Surgical section:
  — *Medical and Surgical* (Ø)
- Medical and Surgical-related sections:
  — *Obstetrics* (1)
  — *Placement* (2)
  — *Administration* (3)
  — *Measurement and Monitoring* (4)
  — *Extracorporeal or Systemic Assistance and Performance* (5)
  — *Extracorporeal or Systemic Therapies* (6)
  — *Osteopathic* (7)

ICD-10-PCS Additional Features

Use of Official Sources

Color-coding, icons, and other annotations in this manual identify coding and reimbursement edits derived from the inpatient prospective payment system (IPPS) official tables and data files and from the MS-DRG Grouper software.

In most instances, FY 2027 data from the above sources were not available at the time this book was printed. In an effort to make available the most current source information, Optum has provided a document identifying FY 2027 changes to edit designations for ICD-10-PCS codes. Edit changes identified in this document may include:

- Hospital-acquired condition
- Noncovered procedures
- Limited coverage procedures
- Valid operating room procedures
- DRG nonoperating room procedures
- Nonoperating room procedures
- New-technology add-on payment

This document can be accessed at the following:

> https://www.optumcoding.com/ ProductUpdates/Title: "2026 ICD-10-PCS Edit Changes" Password: PCS

Table Notations

Many tables in ICD-10-PCS contain color or symbol annotations that may aid in code selection, provide clinical or coding information, or alert the coder to reimbursement issues affected by the PCS code assignment. These annotations may be displayed on or next to a character 4, character 6, or character 7 value. Please note that some values may have more than one annotation; this is true most often with the character 4 value.

Refer to the color/symbol legend at the bottom of each page in the tables section for an abridged description of each color and symbol.

Annotation Box

An annotation box has been appended to all tables that contain color-coding or symbol annotations. The color bar or symbol attached to a character value is provided in the box, as well as a list of the valid PCS code(s) to which that edit applies. The box may also list conditional criteria that must be met to satisfy the edit.

For example, see Table ØØF. Four character 4 body part values have a gray color bar. In the annotation box below the table, the gray color bar is defined as "Non-OR," or a nonoperating room procedure edit. Following the Non-OR annotation are the PCS codes that are considered nonoperating room procedures from that row of Table ØØF.

Bracketed Code Notation

The use of bracketed codes is an efficient convention to provide all valid character value alternatives for a specific set of circumstances. The character values in the brackets correspond to the valid values for the character in the position the bracket appears.

Examples:

In the annotation box for Table ØØF the Noncovered Procedure edit (NC) applies to codes represented in the bracketed code ØØF[3,4,5,6]XZZ.

> ØØF[3,4,5,6]XZZ   Fragmentation in (Central Nervous System and Cranial Nerves), External Approach

The valid fourth character values (body part) that may be selected for this specific circumstance are as follows:

3	Epidural Space, Intracranial
4	Subdural Space, Intracranial
5	Subarachnoid Space, Intracranial
6	Cerebral Ventricle

The fragmentation of matter in the spinal canal, Body Part value U, is not included in the noncovered procedure code edit.

Color-Coding/Symbols

New and Revised Text

Changes within the ICD-10-PCS tables, since the last published edition of this manual, are highlighted in two ways:

- **Red font** identifies new or revised text effective April 1, 2024.
- **Green font** identifies new or revised text effective October 1, 2024.

Medicare Code Edits

Medicare administrative contractors (MACs) and many payers use Medicare code edits to check the coding accuracy on claims. The coding edits provided in this manual include only those directly related to ICD-10-PCS codes used for acute care hospital inpatient admissions.

Sex Edit Symbols

> Effective October 1, 2024, the Medicare Code Editor (MCE), a program used to detect and report errors in coding claims data, has deactivated the sex conflict edit. There is no longer a female or male edit restriction for ICD-10-PCS codes.

QA **Questionable Obstetric Admission**

> An inpatient admission is considered questionable when a vaginal or cesarean delivery code is assigned without a corresponding secondary diagnosis code describing the outcome of delivery. Both a delivery (ICD-10-PCS) code and an outcome-of-delivery (ICD-10-CM) code must be present to avoid errors in MS-DRG assignment. This symbol is found only in the Obstetrics Section, appearing to the right of the body part (character 4) value.

NC **Noncovered Procedure**

> Medicare does not cover all procedures. However, some noncovered procedures, due to the presence of certain diagnoses, are reimbursed.

LC **Limited Coverage**

> For certain procedures whose medical complexity and serious nature incur extraordinary associated costs, Medicare limits coverage to a portion of the cost. The limited coverage edit indicates the type of limited coverage.

# #

3f (Aortic) Bioprosthesis valve *use* Zooplastic Tissue in Heart and Great Vessels

A

Abdominal aortic plexus *use* Abdominal Sympathetic Nerve
Abdominal cavity *use* Peritoneal Cavity
Abdominal esophagus *use* Esophagus, Lower
Abdominohysterectomy *see* Resection, Uterus ØUT9
Abdominoplasty
    see Alteration, Abdominal Wall ØWØF
    see Repair, Abdominal Wall ØWQF
    see Supplement, Abdominal Wall ØWUF
Abductor hallucis muscle
    use Foot Muscle, Left
    use Foot Muscle, Right
ABECMA® *use* Idecabtagene Vicleucel Immunotherapy
AbioCor® Total Replacement Heart *use* Synthetic Substitute
Ablation
    see Control bleeding in
    see Destruction
Abortion
    Abortifacient 10A07ZX
    Laminaria 10A07ZW
    Products of Conception 10AØ
    Vacuum 10A07Z6
Abrasion *see* Extraction
Absolute Pro Vascular (OTW) Self-Expanding Stent System *use* Intraluminal Device
Accelerate PhenoTest™ BC XXE5XN6
Accessory cephalic vein
    use Cephalic Vein, Left
    use Cephalic Vein, Right
Accessory obturator nerve *use* Lumbar Plexus
Accessory phrenic nerve *use* Phrenic Nerve
Accessory spleen *use* Spleen
Acculink (RX) Carotid Stent System *use* Intraluminal Device
Acellular Hydrated Dermis *use* Nonautologous Tissue Substitute
Acetabular cup *use* Liner in Lower Joints
Acetabulectomy
    see Excision, Lower Bones ØQB
    see Resection, Lower Bones ØQT
Acetabulofemoral joint
    use Hip Joint, Left
    use Hip Joint, Right
Acetabuloplasty
    see Repair, Lower Bones ØQQ
    see Replacement, Lower Bones ØQR
    see Supplement, Lower Bones ØQU
Achilles tendon
    use Lower Leg Tendon, Left
    use Lower Leg Tendon, Right
Achillorrhaphy *see* Repair, Tendons ØLQ
Achillotenotomy, achillotomy
    see Division, Tendons ØL8
    see Drainage, Tendons ØL9
Acoustic Pulse Thrombolysis *see* Fragmentation, Artery
Acromioclavicular ligament
    use Shoulder Bursa and Ligament, Left
    use Shoulder Bursa and Ligament, Right
Acromion (process)
    use Scapula, Left
    use Scapula, Right
Acromionectomy
    see Excision, Upper Joints ØRB
    see Resection, Upper Joints ØRT
Acromioplasty
    see Repair, Upper Joints ØRQ
    see Replacement, Upper Joints ØRR
    see Supplement, Upper Joints ØRU
ACTEMRA® *use* Tocilizumab
Activa PC neurostimulator *use* Stimulator Generator, Multiple Array in ØJH
Activa RC neurostimulator *use* Stimulator Generator, Multiple Array Rechargeable in ØJH
Activa SC neurostimulator *use* Stimulator Generator, Single Array in ØJH
Activities of Daily Living Assessment FØ2

Activities of Daily Living Treatment FØ8
ACUITY™ Steerable Lead
    use Cardiac Lead, Defibrillator in Ø2H
    use Cardiac Lead, Pacemaker in Ø2H
Acupuncture
    Breast
        Anesthesia 8EØH3ØØ
        No Qualifier 8EØH3ØZ
    Integumentary System
        Anesthesia 8EØH3ØØ
        No Qualifier 8EØH3ØZ
Adductor brevis muscle
    use Upper Leg Muscle, Left
    use Upper Leg Muscle, Right
Adductor hallucis muscle
    use Foot Muscle, Left
    use Foot Muscle, Right
Adductor longus muscle
    use Upper Leg Muscle, Left
    use Upper Leg Muscle, Right
Adductor magnus muscle
    use Upper Leg Muscle, Left
    use Upper Leg Muscle, Right
Adductor pollicis muscle
    use Hand Muscle, Left
    use Hand Muscle, Right
Adenohypophysis *use* Pituitary Gland
Adenoidectomy
    see Excision, Adenoids ØCBQ
    see Resection, Adenoids ØCTQ
Adenoidotomy *see* Drainage, Adenoids ØC9Q
Adhesiolysis *see* Release
Adhesive Ultrasound Patch Technology, Blood Flow XX25XØA
Administration
    Blood products *see* Transfusion
    Other substance *see* Introduction of substance in or on
Adrenalectomy
    see Excision, Endocrine System ØGB
    see Resection, Endocrine System ØGT
Adrenalorrhaphy *see* Repair, Endocrine System ØGQ
Adrenalotomy *see* Drainage, Endocrine System ØG9
Advancement
    see Reposition
    see Transfer
Advisa (MRI) *use* Pacemaker, Dual Chamber in ØJH
afami-cel *use* Afamitresgene Autoleucel Immunotherapy
Afamitresgene Autoleucel Immunotherapy XWØ
AFX® Endovascular AAA System *use* Intraluminal Device
AGENT™ Paclitaxel-Coated Balloon *see* New Technology, Anatomical Regions XWØ
AGN1 Bone Void Filler XWØV3WA
Aidoc Briefcase for PE (pulmonary embolism) XXE3X27
AIGISRx Antibacterial Envelope *use* Anti-Infective Envelope
Alar ligament of axis *use* Head and Neck Bursa and Ligament
Aifapump® system *use* Other Device
Alfieri Stitch Valvuloplasty *see* Restriction, Valve, Mitral Ø2VG
Alimentation *see* Introduction of substance in or on
ALPPS (Associating liver partition and portal vein ligation)
    see Division, Hepatobiliary System and Pancreas ØF8
    see Resection, Hepatobiliary System and Pancreas ØFT
Alteration
    Abdominal Wall ØWØF
    Ankle Region
        Left ØYØL
        Right ØYØK
    Arm
        Lower
            Left ØXØF
            Right ØXØD
        Upper
            Left ØXØ9
            Right ØXØ8
    Axilla
        Left ØXØ5
        Right ØXØ4

Alteration — *continued*
    Back
        Lower ØWØL
        Upper ØWØK
    Breast
        Bilateral ØHØV
        Left ØHØU
        Right ØHØT
    Buttock
        Left ØYØ1
        Right ØYØØ
    Chest Wall ØWØ8
    Ear
        Bilateral Ø9Ø2
        Left Ø9Ø1
        Right Ø9ØØ
    Elbow Region
        Left ØXØC
        Right ØXØB
    Extremity
        Lower
            Left ØYØB
            Right ØYØ9
        Upper
            Left ØXØ7
            Right ØXØ6
    Eyelid
        Lower
            Left Ø8ØR
            Right Ø8ØQ
        Upper
            Left Ø8ØP
            Right Ø8ØN
    Face ØWØ2
    Head ØWØØ
    Jaw
        Lower ØWØ5
        Upper ØWØ4
    Knee Region
        Left ØYØG
        Right ØYØF
    Leg
        Lower
            Left ØYØJ
            Right ØYØH
        Upper
            Left ØYØD
            Right ØYØC
    Lip
        Lower ØCØ1X
        Upper ØCØØX
    Nasal Mucosa and Soft Tissue Ø9ØK
    Neck ØWØ6
    Perineum
        Female ØWØN
        Male ØWØM
    Shoulder Region
        Left ØXØ3
        Right ØXØ2
    Subcutaneous Tissue and Fascia
        Abdomen ØJØ8
        Back ØJØ7
        Buttock ØJØ9
        Chest ØJØ6
        Face ØJØ1
        Lower Arm
            Left ØJØH
            Right ØJØG
        Lower Leg
            Left ØJØP
            Right ØJØN
        Neck
            Left ØJØ5
            Right ØJØ4
        Upper Arm
            Left ØJØF
            Right ØJØD
        Upper Leg
            Left ØJØM
            Right ØJØL
    Wrist Region
        Left ØXØH
        Right ØXØG
Alveolar process of mandible
    use Mandible, Left
    use Mandible, Right
Alveolar process of maxilla *use* Maxilla
Alveolectomy
    see Excision, Head and Facial Bones ØNB

Heart and Great Vessels Ø21–Ø2Y

Character Meanings

This Character Meaning table is provided as a guide to assist the user in the identification of character members that may be found in this section of code tables. It **SHOULD NOT** be used to build a PCS code.

Operation–Character 3	Body Part–Character 4	Approach–Character 5	Device–Character 6	Qualifier–Character 7
1 Bypass	Ø Coronary Artery, One Artery	Ø Open	Ø Monitoring Device, Pressure Sensor	Ø Allogeneic OR Ultrasonic
4 Creation	1 Coronary Artery, Two Arteries	3 Percutaneous	2 Monitoring Device	1 Syngeneic
5 Destruction	2 Coronary Artery, Three Arteries	4 Percutaneous Endoscopic	3 Infusion Device	2 Zooplastic OR Common Atrioventricular Valve
7 Dilation	3 Coronary Artery, Four or More Arteries	X External	4 Intraluminal Device, Drug-eluting	3 Coronary Artery
8 Division	4 Coronary Vein		5 Intraluminal Device, Drug-eluting, Two	4 Coronary Vein
B Excision	5 Atrial Septum		6 Intraluminal Device, Drug-eluting, Three	5 Coronary Circulation
C Extirpation	6 Atrium, Right		7 Intraluminal Device, Drug-eluting, Four or More OR Autologous Tissue Substitute	6 Bifurcation OR Atrium, Right
F Fragmentation	7 Atrium, Left		8 Zooplastic Tissue	7 Atrium, Left OR Orbital Atherectomy Technique
H Insertion	8 Conduction Mechanism		9 Autologous Venous Tissue	8 Internal Mammary, Right
J Inspection	9 Chordae Tendineae		A Autologous Arterial Tissue	9 Internal Mammary, Left
K Map	A Heart		C Extraluminal Device	A Innominate Artery
L Occlusion	B Heart, Right		D Intraluminal Device	B Subclavian
N Release	C Heart, Left		E Intraluminal Device, Two OR Intraluminal Device, Branched or Fenestrated, One or Two Arteries	C Thoracic Artery
P Removal	D Papillary Muscle		F Intraluminal Device, Three OR Intraluminal Device, Branched or Fenestrated, Three or More Arteries	D Carotid
Q Repair	F Aortic Valve		G Intraluminal Device, Four or More	E Atrioventricular Valve, Left
R Replacement	G Mitral Valve		J Synthetic Substitute OR Cardiac Lead, Pacemaker	F Abdominal Artery OR Irreversible Electroporation
S Reposition	H Pulmonary Valve		K Nonautologous Tissue Substitute OR Cardiac Lead, Defibrillator	G Atrioventricular Valve, Right OR Axillary Artery
T Resection	J Tricuspid Valve		L Biologic with Synthetic Substitute, Autoregulated Electrohydraulic	H Transapical OR Brachial Artery
U Supplement	K Ventricle, Right		M Cardiac Lead OR Synthetic Substitute, Pneumatic	J Truncal Valve OR Temporary OR Intraoperative
V Restriction	L Ventricle, Left		N Intracardiac Pacemaker	K Left Atrial Appendage
W Revision	M Ventricular Septum		Q Implantable Heart Assist System	L In Existing Conduit
Y Transplantation	N Pericardium		R Short-term External Heart Assist System	M Native Site
	P Pulmonary Trunk		T Intraluminal Device, Radioactive	N Rapid Deployment Technique
	Q Pulmonary Artery, Right		Y Other Device	P Pulmonary Trunk
	R Pulmonary Artery, Left		Z No Device	Q Pulmonary Artery, Right
	S Pulmonary Vein, Right			R Pulmonary Artery, Left
	T Pulmonary Vein, Left			S Pulmonary Vein, Right OR Biventricular
	V Superior Vena Cava			T Pulmonary Vein, Left OR Ductus Arteriosus
	W Thoracic Aorta, Descending			U Pulmonary Vein, Confluence
	X Thoracic Aorta, Ascending/Arch			V Lower Extremity Artery
	Y Great Vessel			W Aorta
				X Diagnostic
				Z No Qualifier

Ø   **Medical and Surgical**
2   **Heart and Great Vessels**
1   **Bypass**   Definition: Altering the route of passage of the contents of a tubular body part

Explanation: Rerouting contents of a body part to a downstream area of the normal route, to a similar route and body part, or to an abnormal route and dissimilar body part. Includes one or more anastomoses, with or without the use of a device.

Body Part Character 4	Approach Character 5	Device Character 6	Qualifier Character 7
Ø **Coronary Artery, One Artery** 1 **Coronary Artery, Two Arteries** 2 **Coronary Artery, Three Arteries** 3 **Coronary Artery, Four or More Arteries**	Ø **Open**	8 **Zooplastic Tissue** 9 **Autologous Venous Tissue** A **Autologous Arterial Tissue** J **Synthetic Substitute** K **Nonautologous Tissue Substitute**	3 **Coronary Artery** 8 **Internal Mammary, Right** 9 **Internal Mammary, Left** C **Thoracic Artery** F **Abdominal Artery** W **Aorta**
Ø **Coronary Artery, One Artery** 1 **Coronary Artery, Two Arteries** 2 **Coronary Artery, Three Arteries** 3 **Coronary Artery, Four or More Arteries**	Ø **Open**	Z **No Device**	3 **Coronary Artery** 8 **Internal Mammary, Right** 9 **Internal Mammary, Left** C **Thoracic Artery** F **Abdominal Artery**
Ø **Coronary Artery, One Artery** 1 **Coronary Artery, Two Arteries** 2 **Coronary Artery, Three Arteries** 3 **Coronary Artery, Four or More Arteries**	3 **Percutaneous**	4 **Intraluminal Device, Drug-eluting** D **Intraluminal Device**	4 **Coronary Vein**
Ø **Coronary Artery, One Artery** 1 **Coronary Artery, Two Arteries** 2 **Coronary Artery, Three Arteries** 3 **Coronary Artery, Four or More Arteries**	4 **Percutaneous Endoscopic**	4 **Intraluminal Device, Drug-eluting** D **Intraluminal Device**	4 **Coronary Vein**
Ø **Coronary Artery, One Artery** 1 **Coronary Artery, Two Arteries** 2 **Coronary Artery, Three Arteries** 3 **Coronary Artery, Four or More Arteries**	4 **Percutaneous Endoscopic**	8 **Zooplastic Tissue** 9 **Autologous Venous Tissue** A **Autologous Arterial Tissue** J **Synthetic Substitute** K **Nonautologous Tissue Substitute**	3 **Coronary Artery** 8 **Internal Mammary, Right** 9 **Internal Mammary, Left** C **Thoracic Artery** F **Abdominal Artery** W **Aorta**
Ø **Coronary Artery, One Artery** 1 **Coronary Artery, Two Arteries** 2 **Coronary Artery, Three Arteries** 3 **Coronary Artery, Four or More Arteries**	4 **Percutaneous Endoscopic**	Z **No Device**	3 **Coronary Artery** 8 **Internal Mammary, Right** 9 **Internal Mammary, Left** C **Thoracic Artery** F **Abdominal Artery**
6 **Atrium, Right** Atrium dextrum cordis Right auricular appendix Sinus venosus	Ø **Open** 4 **Percutaneous Endoscopic**	8 **Zooplastic Tissue** 9 **Autologous Venous Tissue** A **Autologous Arterial Tissue** J **Synthetic Substitute** K **Nonautologous Tissue Substitute**	P **Pulmonary Trunk** Q **Pulmonary Artery, Right** R **Pulmonary Artery, Left**
6 **Atrium, Right** Atrium dextrum cordis Right auricular appendix Sinus venosus	Ø **Open** 4 **Percutaneous Endoscopic**	Z **No Device**	7 **Atrium, Left** P **Pulmonary Trunk** Q **Pulmonary Artery, Right** R **Pulmonary Artery, Left**
6 **Atrium, Right** Atrium dextrum cordis Right auricular appendix Sinus venosus	3 **Percutaneous**	Z **No Device**	7 **Atrium, Left**
7 **Atrium, Left** Atrium pulmonale Left auricular appendix	Ø **Open** 4 **Percutaneous Endoscopic**	8 **Zooplastic Tissue** 9 **Autologous Venous Tissue** A **Autologous Arterial Tissue** J **Synthetic Substitute** K **Nonautologous Tissue Substitute** Z **No Device**	P **Pulmonary Trunk** Q **Pulmonary Artery, Right** R **Pulmonary Artery, Left** S **Pulmonary Vein, Right** T **Pulmonary Vein, Left** U **Pulmonary Vein, Confluence**
7 **Atrium, Left** Atrium pulmonale Left auricular appendix	3 **Percutaneous**	J **Synthetic Substitute**	6 **Atrium, Right**
K **Ventricle, Right** Conus arteriosus L **Ventricle, Left**	Ø **Open** 4 **Percutaneous Endoscopic**	8 **Zooplastic Tissue** 9 **Autologous Venous Tissue** A **Autologous Arterial Tissue** J **Synthetic Substitute** K **Nonautologous Tissue Substitute**	P **Pulmonary Trunk** Q **Pulmonary Artery, Right** R **Pulmonary Artery, Left**

HAC   Ø21[Ø,1,2,3]Ø[8,9,A,J,K][3,8,9,C,F,W] when reported with SDx J98.51 or J98.59
HAC   Ø21[Ø,1,2,3]ØZ[3,8,9,C,F] when reported with SDx J98.51 or J98.59
HAC   Ø21[Ø,1,2,3]4[8,9,A,J,K][3,8,9,C,F,W] when reported with SDx J98.51 or J98.59
HAC   Ø21[Ø,1,2,3]4Z[3,8,9,C,F] when reported with SDx J98.51 or J98.59

Subcutaneous Tissue and Fascia (side tab)

Ø   **Medical and Surgical**
J   **Subcutaneous Tissue and Fascia**
W   **Revision**   **Definition:** Correcting, to the extent possible, a portion of a malfunctioning device or the position of a displaced device

                                                       Explanation: Revision can include correcting a malfunctioning or displaced device by taking out or putting in components of the device such as a screw or pin

Body Part Character 4	Approach Character 5	Device Character 6	Qualifier Character 7
S Subcutaneous Tissue and Fascia, Head and Neck	Ø Open 3 Percutaneous	Ø Drainage Device 3 Infusion Device 7 Autologous Tissue Substitute J Synthetic Substitute K Nonautologous Tissue Substitute N Tissue Expander Y Other Device	Z No Qualifier
S Subcutaneous Tissue and Fascia, Head and Neck	X External	Ø Drainage Device 3 Infusion Device 7 Autologous Tissue Substitute J Synthetic Substitute K Nonautologous Tissue Substitute N Tissue Expander	Z No Qualifier
T Subcutaneous Tissue and Fascia, Trunk External oblique aponeurosis Transversalis fascia	Ø Open 3 Percutaneous	Ø Drainage Device 2 Monitoring Device 3 Infusion Device 7 Autologous Tissue Substitute F Subcutaneous Defibrillator Lead H Contraceptive Device J Synthetic Substitute K Nonautologous Tissue Substitute M Stimulator Generator N Tissue Expander P Cardiac Rhythm Related Device V Infusion Device, Pump W Vascular Access Device, Totally Implantable X Vascular Access Device, Tunneled Y Other Device	Z No Qualifier
T Subcutaneous Tissue and Fascia, Trunk External oblique aponeurosis Transversalis fascia	X External	Ø Drainage Device 2 Monitoring Device 3 Infusion Device 7 Autologous Tissue Substitute F Subcutaneous Defibrillator Lead H Contraceptive Device J Synthetic Substitute K Nonautologous Tissue Substitute M Stimulator Generator N Tissue Expander P Cardiac Rhythm Related Device V Infusion Device, Pump W Vascular Access Device, Totally Implantable X Vascular Access Device, Tunneled	Z No Qualifier
V Subcutaneous Tissue and Fascia, Upper Extremity W Subcutaneous Tissue and Fascia, Lower Extremity	Ø Open 3 Percutaneous	Ø Drainage Device 3 Infusion Device 7 Autologous Tissue Substitute H Contraceptive Device J Synthetic Substitute K Nonautologous Tissue Substitute N Tissue Expander V Infusion Device, Pump W Vascular Access Device, Totally Implantable X Vascular Access Device, Tunneled Y Other Device	Z No Qualifier
V Subcutaneous Tissue and Fascia, Upper Extremity W Subcutaneous Tissue and Fascia, Lower Extremity	X External	Ø Drainage Device 3 Infusion Device 7 Autologous Tissue Substitute H Contraceptive Device J Synthetic Substitute K Nonautologous Tissue Substitute N Tissue Expander V Infusion Device, Pump W Vascular Access Device, Totally Implantable X Vascular Access Device, Tunneled	Z No Qualifier

DRG Non-OR   ØJWS[Ø,3][Ø,3,7,J,K,N,Y]Z
DRG Non-OR   ØJWT[Ø,3][Ø,3,7,H,J,K,M,N,V,W,X]Z
DRG Non-OR   ØJWTXMZ
DRG Non-OR   ØJW[V,W][Ø,3][Ø,3,7,H,J,K,N,V,W,X,Y]Z
Non-OR   ØJWSX[Ø,3,7,J,K,N]Z
Non-OR   ØJWT3YZ

Non-OR   ØJWTX[Ø,2,3,7,F,H,J,K,N,P,V,W,X]Z
Non-OR   ØJW[V,W]X[Ø,3,7,H,J,K,N,V,W,X]Z
HAC   ØJWT[Ø,3][F,P]Z when reported with SDx K68.11 or T81.4Ø-T81.49, T82.7 with 7th character A
HAC   ØJWTXFZ when reported with SDx K68.11, or T81.4Ø-T81.49, T82.7 with 7th character A

Non-OR Procedure   DRG Non-OR Procedure   Valid OR Procedure   HAC Associated Procedure   Combination Only   New/Revised April   New/Revised October

Ø   Medical and Surgical
X   Anatomical Regions, Upper Extremities
U   Supplement   Definition: Putting in or on biological or synthetic material that physically reinforces and/or augments the function of a portion of a body part

Explanation: The biological material is non-living, or is living and from the same individual. The body part may have been previously replaced, and the SUPPLEMENT procedure is performed to physically reinforce and/or augment the function of the replaced body part.

Body Part Character 4	Approach Character 5	Device Character 6	Qualifier Character 7
2 Shoulder Region, Right 3 Shoulder Region, Left 4 Axilla, Right 5 Axilla, Left 6 Upper Extremity, Right 7 Upper Extremity, Left 8 Upper Arm, Right 9 Upper Arm, Left B Elbow Region, Right C Elbow Region, Left D Lower Arm, Right F Lower Arm, Left G Wrist Region, Right H Wrist Region, Left J Hand, Right K Hand, Left L Thumb, Right M Thumb, Left N Index Finger, Right P Index Finger, Left Q Middle Finger, Right R Middle Finger, Left S Ring Finger, Right T Ring Finger, Left V Little Finger, Right W Little Finger, Left	Ø Open 4 Percutaneous Endoscopic	7 Autologous Tissue Substitute J Synthetic Substitute K Nonautologous Tissue Substitute	Z No Qualifier

Ø   Medical and Surgical
X   Anatomical Regions, Upper Extremities
W   Revision   Definition: Correcting, to the extent possible, a portion of a malfunctioning device or the position of a displaced device

Explanation: Revision can include correcting a malfunctioning or displaced device by taking out or putting in components of the device such as a screw or pin

Body Part Character 4	Approach Character 5	Device Character 6	Qualifier Character 7
6 Upper Extremity, Right 7 Upper Extremity, Left	Ø Open 3 Percutaneous 4 Percutaneous Endoscopic X External	Ø Drainage Device 3 Infusion Device 7 Autologous Tissue Substitute J Synthetic Substitute K Nonautologous Tissue Substitute Y Other Device	Z No Qualifier

DRG Non-OR	ØXW[6,7][Ø,3,4][Ø,3,7,J,K,Y]Z
Non-OR	ØXW[6,7]X[Ø,3,7,J,K,Y]Z

Ø   Medical and Surgical
X   Anatomical Regions, Upper Extremities
X   Transfer   Definition: Moving, without taking out, all or a portion of a body part to another location to take over the function of all or a portion of a body part

Explanation: The body part transferred remains connected to its vascular and nervous supply

Body Part Character 4	Approach Character 5	Device Character 6	Qualifier Character 7
N Index Finger, Right	Ø Open	Z No Device	L Thumb, Right
P Index Finger, Left	Ø Open	Z No Device	M Thumb, Left

Ø   Medical and Surgical
X   Anatomical Regions, Upper Extremities
Y   Transplantation   Definition: Putting in or on all or a portion of a living body part taken from another individual or animal to physically take the place and/or function of all or a portion of a similar body part

Explanation: The native body part may or may not be taken out, and the transplanted body part may take over all or a portion of its function

Body Part Character 4	Approach Character 5	Device Character 6	Qualifier Character 7
J Hand, Right K Hand, Left	Ø Open	Z No Device	Ø Allogeneic 1 Syngeneic

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NC Noncovered Procedure   **LC** Limited Coverage   **QA** Questionable OB Admit   **NT** New Tech Add-on   ➕ Combination Member   ♂ Male   ♀ Female

Appendix I: Substance Key/Substance Definitions

Substance Key

This table crosswalks a specific substance, listed by trade name or synonym, to the PCS value that would be used to represent that substance in either the Administration or New Technology section. The ICD-10-PCS value may be located in either the 6th-character Substance column or the 7th-character Qualifier column depending on the section/table to which it is classified. The most specific character is listed in the table.

This **NT** symbol next to a substance/technology in the Trade Name or Synonym column identifies that the substance/technology has been approved for NTAP (new technology add-on payment). CMS provides incremental payment, in addition to the DRG payment, for technologies that have received an NTAP designation.

Substances denoted by an asterisk (*) in the Trade Name or Synonym column, although not included in the official ICD-10-PCS classification, were added based on information provided in the IPPS proposed and final rules.

Trade Name or Synonym	ICD-10-PCS Value	PCS Section
ABECMA®	Idecabtagene Vicleucel Immunotherapy (K)	New Technology (XWØ)
ACTEMRA®	Tocilizumab (H)	New Technology (XWØ)
afami-cel	Afamitresgene Autoleucel Immunotherapy (6)	New Technology (XWØ)
AIGISRx Antibacterial Envelope	Anti-Infective Envelope (A)	Administration (3EØ)
AMTAGVI™	Lifileucel Immunotherapy (L)	New Technology (XWØ)
Andexanet Alfa, Factor Xa Inhibitor Reversal Agent	Coagulation Factor Xa, Inactivated (7)	New Technology (XWØ)
Andexxa	Coagulation Factor Xa, Inactivated (7)	New Technology (XWØ)
Angiotensin II	Vasopressor (X)	Administration (3EØ)
Antibacterial Envelope (TYRX) (AIGISRx)	Anti-Infective Envelope (A)	Administration (3EØ)
Antimicrobial envelope	Anti-Infective Envelope (A)	Administration (3EØ)
Anti-SARS-CoV-2 hyperimmune globulin	Hyperimmune Globulin (E)	New Technology (XWØ)
Apalutamide Antineoplastic	Other Antineoplastic (5)	Administration (3EØ)
AVYCAZ® (ceftazidime-avibactam)	Other Anti-infective (9)	Administration (3EØ)
Axicabtagene Ciloleucel	Axicabtagene Ciloleucel Immunotherapy (H)	New Technology (XWØ)
AZEDRA®	Iobenguane I-131 Antineoplastic (S)	New Technology (XWØ)
Balversa™ (Erdafitinib Antineoplastic)	Other Antineoplastic (5)	Administration (3EØ)
beti-cel	Betibeglogene Autotemcel (B)	New Technology (XW1)
Blinatumomab	Other Antineoplastic (5)	Administration (3EØ)
BLINCYTO® (blinatumomab)	Other Antineoplastic (5)	Administration (3EØ)
Bone morphogenetic protein 2 (BMP 2)	Recombinant Bone Morphogenetic Protein (B)	Administration (3EØ)
Brexucabtagene Autoleucel	Brexucabtagene Autoleucel Immunotherapy (4)	New Technology (XWØ)
Breyanzi®	Lisocabtagene Maraleucel Immunotherapy (N)	New Technology (XWØ)
Bromelain-enriched Proteolytic Enzyme	Anacaulase-bcdb (2)	New Technology (XWØ)
*CABLIVI®	Caplacizumab (W)	New Technology (XWØ)
CARVYKTI™	Ciltacabtagene Autoleucel (A)	New Technology (XWØ)
CASGEVY™	Exagamglogene Autotemcel (J)	New Technology (XW1)
Casirivimab (REGN10933) and Imdevimab (REGN10987)	REGN-COV2 Monoclonal Antibody (G)	New Technology (XWØ)
CBMA (Concentrated Bone Marrow Aspirate)	Other Substance (C)	Administration (3EØ)
Ceftazidime-avibactam	Other Anti-infective (9)	Administration (3EØ)
CERAMENT® G **NT**	Antibiotic-eluting Bone Void Filler (P)	New Technology (XWØ)
cilta-cel	Ciltacabtagene Autoleucel (A)	New Technology (XWØ)
Clolar	Clofarabine (P)	Administration (3EØ)
Columvi™ **NT**	Glofitamab Antineoplastic (P)	New Technology (XWØ)
Coagulation Factor Xa, (Recombinant) Inactivated	Coagulation Factor Xa, Inactivated (7)	New Technology (XWØ)
COMIRNATY®	COVID-19 Vaccine (U) COVID-19 Vaccine Dose 2 (T) COVID-19 Booster (W) COVID-19 Vaccine Dose 3 (V) COVID-19 Vaccine Dose 1 (S)	New Technology (XWØ)
CONTEPO™ (Fosfomycin Anti-infective)	Other Anti-infective (9)	Administration (3EØ)
COSELA™	Trilaciclib (7)	New Technology (XWØ)
CRESEMBA® (isavuconazonium sulfate)	Other Anti-infective (9)	Administration (3EØ)
CTX001™	Exagamglogene Autotemcel (J)	New Technology (XW1)
Darzalex Faspro®	Daratumumab and Hyaluronidase-fihj (1)	New Technology (XWØ)
DefenCath™ **NT**	Taurolidine Anti-infective and Heparin Anticoagulant (2)	New Technology (XYØ)
Defitelio	Other Substance (C)	Administration (3EØ)
Dnase (Deoxyribonuclease)	Other Substance (C)	Administration (3EØ)
DuraGraft® Endothelial Damage Inhibitor	Endothelial Damage Inhibitor (8)	New Technology (XYØ)
EBVALLO™	Tabelecleucel Immunotherapy (7)	New Technology (XWØ)
ELREXFIO™	Elranatamab Antineoplastic (L)	New Technology (XWØ)
ELZONRIS™	Tagraxofusp-erzs Antineoplastic (Q)	New Technology (XWØ)
ENSPRYNG™	Satralizumab-mwge (9)	New Technology (XWØ)