

ICD-10-PCS



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ICD-10-PCS Updates

- CMS maintains ICD-10-PCS
- Used for inpatient procedures
- Updated annually – October 1
- 2018 ICD-10-PCS
 - <https://www.cms.gov/Medicare/Coding/ICD10/2018-ICD-10-PCS-and-GEMs.html>
 - October 1, 2017

ICD-10 Coordination & Maintenance (C&M) Committee

- Meets twice a year
 - Next meeting September 12-13, 2017
 - Code requests sent to
ICDProcedureCodeRequest@cms.hhs.gov
- [https://www.cms.gov/Medicare/Coding/ICD9
ProviderDiagnosticCodes/meetings.html](https://www.cms.gov/Medicare/Coding/ICD9ProviderDiagnosticCodes/meetings.html)

Participation in C&M Meetings

- Can participate in variety of ways
 - In person in CMS auditorium
 - By free conference call
 - By livestream
- Information on prior C&M meetings

<https://www.cms.gov/Medicare/Coding/ICD9ProviderDiagnosticCodes/ICD-9-CM-C-and-M-Meeting-Materials.html>

ICD-10-PCS Topics

- ICD-10-PCS Structure
- Development Cycle for ICD-10-PCS
- Updates to ICD-10-PCS

ICD-10-PCS Structure

Review of key structural attributes and design

Development History

1995 - 1996: First draft of ICD-10-PCS completed

1996 - 1997: Training program developed

Informal testing conducted

ICD-10-PCS revised

1997 - 1998: Independent formal testing conducted

ICD-10-PCS revised

Final draft completed

1998 - 2017: ICD-10-PCS updated annually (except code freeze)

Key Attributes of ICD-10-PCS

- **Completeness**—All substantially different procedures have a unique code
 - **0BBC0ZZ** Excision of Right Upper Lung Lobe, Open Approach
 - **0BBC4ZZ** Excision of Right Upper Lung Lobe, Percutaneous Endoscopic Approach
 - **0BBC8ZZ** Excision of Right Upper Lung Lobe, Via Natural or Artificial Opening Endoscopic
- **Expandability**—The structure of the system allows incorporation of new procedures as unique codes
 - **047K3Z1** Dilation of Right Femoral Artery using Drug-Coated Balloon, Percutaneous Approach
 - **047K3ZZ** Dilation of Right Femoral Artery, Percutaneous Approach

Key Attributes of ICD-10-PCS, Continued

- Multi-axial Structure—Each axis (aka character) specifies same type of information within a section, across sections to the extent possible
 - Third axis specifies root operation (objective of the procedure)
 - Fourth axis specifies body part (site of the procedure)
- Standardized definitions—While the meaning of specific words can vary in common usage, ICD-10-PCS defines a single meaning for each term used in the system
 - Excision: Cutting out or off, a portion of a body part
 - Resection: Cutting out or off, all of a body part

ICD-10-PCS Code Structure

- Codes are comprised of seven components of meaning, with each component commonly referred to as a “character”
 - All codes are seven characters long
- Individual expression of a character, represented by a letter or number, is called a “value”
 - Code 02703DZ—sixth character value is D Intraluminal Device
- 34 possible values for a character within a given context, such as root operation
 - Digits 0-9
 - Letters A-H, J-N, P-Z

ICD-10-PCS Table Structure

- 17 top level subdivisions called Sections
 - Medical and Surgical
 - Obstetrics
 - Measurement and Monitoring
- Each section defines varying numbers of root operation tables
 - Medical and Surgical section: 31 root operations
 - Obstetrics section: 12 root operations
 - Measurement and Monitoring section: 2 root operations
- Each table contains four columns and varying numbers of rows
 - Column—Specifies the available values for characters 4-7
 - Row—Specifies the valid combinations of values

Example: ICD-10-PCS Table 0FB

<i>Section</i>	0 Medical and Surgical		
<i>Body System</i>	F Hepatobiliary System and Pancreas		
<i>Operation</i>	B Excision: Cutting out or off, without replacement, a portion of a body part		
<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
0 Liver 1 Liver, Right Lobe 2 Liver, Left Lobe	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	Z No Device	X Diagnostic Z No Qualifier
4 Gallbladder G Pancreas	0 Open 3 Percutaneous 4 Percutaneous Endoscopic 8 Via Natural or Artificial Opening Endoscopic	Z No Device	X Diagnostic Z No Qualifier
5 Hepatic Duct, Right 6 Hepatic Duct, Left 7 Hepatic Duct, Common 8 Cystic Duct 9 Common Bile Duct C Ampulla of Vater D Pancreatic Duct F Pancreatic Duct, Accessory	0 Open 3 Percutaneous 4 Percutaneous Endoscopic 7 Via Natural or Artificial Opening 8 Via Natural or Artificial Opening Endoscopic	Z No Device	X Diagnostic Z No Qualifier

ICD-10-PCS Development Cycle

C&M process and decision-making

ICD-10-PCS Annual Update Calendar

- Annual update cycle—changes posted in June, effective October 1
- Changes come from the biannual meetings of the ICD-10 Coordination & Maintenance (C&M) Committee
- Changes for a given update cycle include proposals from September of the previous year and March of the current year
 - The update just posted includes changes proposed at the September 2016 meeting and the March 2017 meeting

Types of C&M Agenda Items

- Proposals—formal written proposals typically developed by an organization requesting additions to the ICD-10-PCS classification
- Addenda—Individual requests sent to CMS, or recommendations coming from the Cooperating Parties in concert with the Coding Clinic Editorial Advisory Board

C&M Process and the Code Freeze

- C&M meetings were held as usual during the “partial code freeze”
- Proposals and addenda were presented and public comment received during the four years of the code freeze
- A few New Technology proposals for new PCS codes met the exception for adding to the classification during the freeze
- All other proposed code updates were saved, to be implemented after the code freeze ended

C&M Public Comment Period

- Public comment period after each C&M meeting
 - Comment accepted for one month from the day of the meeting
- Anyone can write in and express their opinion of a proposed change to ICD-10-PCS
- Most recent comment period ended April 7

Finalizing Changes to ICD-10-PCS

- After the comment period ends, CMS reviews all comments received
- Team consisting of CMS analysts, medical officers and supporting contractors meet to discuss public comment and reach final decision
- Final changes implemented in ICD-10-PCS database

ICD-10-PCS Update Posting

- Final ICD-10-PCS output files posted on the CMS website, including
 - Core content (ICD-10-PCS Tables, Index, Definitions)
 - Official ICD-10-PCS Coding Guidelines
 - Update summary
- Available in multiple formats
 - Machine-readable formats for technical users
 - PDF for coders and coding educators

ICD-10-PCS Development Cycle

- After posting the update, the cycle begins again, with the September C&M meeting
 - September 2017 agenda will be the first round of proposals and addenda for the FY 2019 update year
 - March 2018 agenda will be the second round of proposals and addenda for the FY 2019 update year
- FY 2019 will be the first update cycle of “normal” scope
 - Will consist only of C&M proposals and addenda for that year’s update cycle

Updates to ICD-10-PCS Since Implementation

Implementing the code freeze backlog and other proposed changes

FY 2017 and FY 2018 Updates to ICD-10-PCS

- The two annual updates since implementation (the end of the code freeze) have been extensive
 1. Backlog of both types C&M agenda items: proposals and addenda
 2. Full agenda of new proposals at C&M meetings since ICD-10 implementation

Phased Approach to ICD-10-PCS Update Backlog

- CMS chose a phased approach to implementing the backlog of changes accumulated during the code freeze
 - Organizations expressed concern that making all of the changes in the first update after implementation would be overwhelming
- First update year—proposals presented during the code freeze and receiving public support
- Second update year—addenda items collected during the code freeze and receiving public support

FY 2017 Update to ICD-10-PCS

- Included proposals presented during the code freeze and receiving public support
 - New root operation Perfusion created to classify procedures performed on marginal donor organs prior to transplant
 - Thoracic aorta split into more specific body part values, for ascending/arch portion of the thoracic aorta and descending portion of the thoracic aorta
 - Creation of new device values specifying number of vascular stents
 - Greatly expanded application of qualifiers specifying procedures performed at a vessel bifurcation

New Root Operation Perfusion

Table 6AB

6AB

<i>Section</i>	6 Extracorporeal Therapies		
<i>Body System</i>	A Physiological Systems		
<i>Operation</i>	B Perfusion: Extracorporeal treatment by diffusion of therapeutic fluid		
<i>Body System</i>	<i>Duration</i>	<i>Qualifier</i>	<i>Qualifier</i>
5 Circulatory B Respiratory System F Hepatobiliary System and Pancreas T Urinary System	0 Single	B Donor Organ	Z No Qualifier

Detailed Thoracic Aorta

Body Part Values Table 02S et al

02S

<i>Section</i>	0	Medical and Surgical		
<i>Body System</i>	2	Heart and Great Vessels		
<i>Operation</i>	S	Reposition: Moving to its normal location, or other suitable location, all or a portion of a body part		
<i>Body Part</i>		<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
0 Coronary Artery, One Artery 1 Coronary Artery, Two Arteries P Pulmonary Trunk Q Pulmonary Artery, Right R Pulmonary Artery, Left S Pulmonary Vein, Right T Pulmonary Vein, Left V Superior Vena Cava W Thoracic Aorta, Descending X Thoracic Aorta, Ascending/Arch		0 Open	Z No Device	Z No Qualifier

Expanded Use of existing device/ Qualifier Values Table 037 et al

037

<i>Section</i>	0	Medical and Surgical		
<i>Body System</i>	3	Upper Arteries		
<i>Operation</i>	7	Dilation: Expanding an orifice or the lumen of a tubular body part		
<i>Body Part</i>		<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
0 Internal Mammary Artery, Right	0 Open	4 Intraluminal Device, Drug-eluting	6 Bifurcation	Z No Qualifier
1 Internal Mammary Artery, Left	3 Percutaneous	5 Intraluminal Device, Drug-eluting, Two		
2 Innominate Artery	4 Percutaneous Endoscopic	6 Intraluminal Device, Drug-eluting, Three		
3 Subclavian Artery, Right		7 Intraluminal Device, Drug-eluting, Four or More		
4 Subclavian Artery, Left		D Intraluminal Device		
5 Axillary Artery, Right		E Intraluminal Device, Two		
6 Axillary Artery, Left		F Intraluminal Device, Three		
7 Brachial Artery, Right		G Intraluminal Device, Four or More		
8 Brachial Artery, Left		Z No Device		
9 Ulnar Artery, Right				
A Ulnar Artery, Left				
B Radial Artery, Right				
C Radial Artery, Left				

FY 2018 Update to ICD-10-PCS

Addenda items collected during the code freeze and receiving public support

- Root operation Extraction applied to new body systems to specify fine needle aspiration biopsies
- New body part value added for common hepatic duct
- Greatly expanded application of existing endoscopic approach value to the PCS tables

FY 2018 ICD-10-PCS Update, Continued

- New proposals for changes, presented during the September 2016 C&M meeting
 - REBOA procedure (Resuscitative Endovascular Balloon Occlusion of Aorta)
 - Unique qualifier value for influenza vaccine
- Proposals for changes, presented during the March 2017 C&M meeting, and receiving public support
 - New device value for oxidized zirconium hip implant
 - New qualifier value for sesamoid bones of foot

Root Operation Extraction

New Table 07D et al

07D

<i>Section</i>	0	Medical and Surgical		
<i>Body System</i>	7	Lymphatic and Hemic Systems		
<i>Operation</i>	D	Extraction: Pulling or stripping out or off all or a portion of a body part by the use of force		
<i>Body Part</i>		<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
0 Lymphatic, Head	3	Percutaneous	Z	No Device
1 Lymphatic, Right Neck	4	Percutaneous Endoscopic		X
2 Lymphatic, Left Neck	8	Via Natural or Artificial		Diagnostic
3 Lymphatic, Right Upper Extremity		Opening Endoscopic		
4 Lymphatic, Left Upper Extremity				
5 Lymphatic, Right Axillary				
6 Lymphatic, Left Axillary				
7 Lymphatic, Thorax				
8 Lymphatic, Internal Mammary, Right				
9 Lymphatic, Internal Mammary, Left				
10 Lymphatic, Mesenteric				
11 Lymphatic, Pelvic				
12 Lymphatic, Cervical				

New Body Part Value

Common Hepatic Duct Table 0F7 et al

0F7

<i>Section</i>	0	Medical and Surgical	
<i>Body System</i>	F	Hepatobiliary System and Pancreas	
<i>Operation</i>	7	Dilation: Expanding an orifice or the lumen of a tubular body part	
<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
5 Hepatic Duct, Right 6 Hepatic Duct, Left 7 Hepatic Duct, Common 8 Cystic Duct 9 Common Bile Duct C Ampulla of Vater D Pancreatic Duct F Pancreatic Duct, Accessory	0 Open 3 Percutaneous 4 Percutaneous Endoscopic 7 Via Natural or Artificial Opening 8 Via Natural or Artificial Opening Endoscopic	D Intraluminal Device Z No Device	Z No Qualifier

REBOA Procedure

New Qualifier in Table 04L

04L

<i>Section</i>	0	Medical and Surgical		
<i>Body System</i>	4	Lower Arteries		
<i>Operation</i>	L	Occlusion: Completely closing an orifice or the lumen of a tubular body part		
<i>Body Part</i>		<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
0 Abdominal Aorta		0 Open 4 Percutaneous Endoscopic	C Extraluminal Device D Intraluminal Device Z No Device	Z No Qualifier
0 Abdominal Aorta		3 Percutaneous	C Extraluminal Device Z No Device	Z No Qualifier
0 Abdominal Aorta		3 Percutaneous	D Intraluminal Device	J Temporary Z No Qualifier

New Qualifier Value Influenza Vaccine in Table 3E0

3E0

<i>Section</i>	3	Administration		
<i>Body System</i>	E	Physiological Systems and Anatomical Regions		
<i>Operation</i>	0	Introduction: Putting in or on a therapeutic, diagnostic, nutritional, physiological, or prophylactic substance except blood or blood products		
<i>Body System / Region</i>	<i>Approach</i>	<i>Substance</i>	<i>Qualifier</i>	
1 Subcutaneous Tissue	3 Percutaneous	3 Anti-inflammatory 6 Nutritional Substance 7 Electrolytic and Water Balance Substance B Anesthetic Agent H Radioactive Substance K Other Diagnostic Substance N Analgesics, Hypnotics, Sedatives T Destructive Agent	Z No Qualifier	
1 Subcutaneous Tissue	3 Percutaneous	4 Serum, Toxoid and Vaccine	0 Influenza Vaccine Z No Qualifier	
1 Subcutaneous Tissue	3 Percutaneous	G Other Therapeutic Substance	C Other Substance	

New Device Value Oxidized Zirconium Hip Implant in Table 0SR

0SR

<i>Section</i>	0 Medical and Surgical		
<i>Body System</i>	S Lower Joints		
<i>Operation</i>	R Replacement: Putting in or on biological or synthetic material that physically takes the place and/or function of all or a portion of a body part		
<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
9 Hip Joint, Right B Hip Joint, Left	0 Open	1 Synthetic Substitute, Metal 2 Synthetic Substitute, Metal on Polyethylene 3 Synthetic Substitute, Ceramic 4 Synthetic Substitute, Ceramic on Polyethylene 6 Synthetic Substitute, Oxidized Zirconium on Polyethylene J Synthetic Substitute	9 Cemented A Uncemented Z No Qualifier

New Qualifier Value Sesamoid Bone(s) 1st Toe Table 0QS et al

0QS

<i>Section</i>	0	Medical and Surgical	
<i>Body System</i>	Q	Lower Bones	
<i>Operation</i>	S	Reposition: Moving to its normal location, or other suitable location, all or a portion of a body part	
<i>Body Part</i>	<i>Approach</i>	<i>Device</i>	<i>Qualifier</i>
6 Upper Femur, Right 7 Upper Femur, Left 8 Femoral Shaft, Right 9 Femoral Shaft, Left B Lower Femur, Right C Lower Femur, Left G Tibia, Right H Tibia, Left J Fibula, Right K Fibula, Left	X External	Z No Device	Z No Qualifier
N Metatarsal, Right P Metatarsal, Left	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	4 Internal Fixation Device 5 External Fixation Device Z No Device	2 Sesamoid Bone(s) 1st Toe Z No Qualifier
N Metatarsal, Right P Metatarsal, Left	X External	Z No Device	2 Sesamoid Bone(s) 1st Toe Z No Qualifier