

Table of Contents

Introduction to ICD-10-PCS	1	Respiratory System 0B1–0BY	213
Development of the ICD-10 Procedure Coding System (ICD-10-PCS)	1	Mouth and Throat 0C0–0CX	223
ICD-10-PCS Structure	1	Gastrointestinal System 0D1–0DY	232
ICD-10-PCS Format	1	Hepatobiliary System and Pancreas 0F1–0FY	248
Medical and Surgical Section	2	Endocrine System 0G2–0GW	256
Medical and Surgical Section Principles	4	Skin and Breast 0H0–0HX	261
Obstetrics Section	5	Subcutaneous Tissue and Fascia 0J0–0JX	271
Placement Section	5	Muscles 0K2–0KX	287
Administration Section	6	Tendons 0L2–0LX	296
Measurement and Monitoring Section	6	Bursae and Ligaments 0M2–0MX	304
Extracorporeal Assistance and Performance Section	7	Head and Facial Bones 0N2–0NW	314
Extracorporeal Therapies Section	7	Upper Bones 0P2–0PW	322
Osteopathic Section	7	Lower Bones 0Q2–0QW	332
Other Procedures Section	8	Upper Joints 0R2–0RW	342
Chiropractic Section	8	Lower Joints 0S2–0SW	351
Imaging Section	8	Urinary System 0T1–0TY	362
Nuclear Medicine Section	9	Female Reproductive System 0U1–0UY	372
Radiation Therapy Section	9	Male Reproductive System 0V1–0VX	383
Physical Rehabilitation and Diagnostic Audiology Section	9	Anatomical Regions, General 0W0–0WY	392
Mental Health Section	10	Anatomical Regions, Upper Extremities 0X0–0XY	399
Substance Abuse Treatment Section	10	Anatomical Regions, Lower Extremities 0Y0–0YW	404
New Technology Section	11	Obstetrics 102–10Y	409
Modifications to ICD-10-PCS	11	Placement 2W0–2Y5	412
Number of Codes in ICD-10-PCS	12	Administration 302–3E1	416
Changes for 2021	12	Measurement and Monitoring 4A0–4B0	428
ICD-10-PCS Expert Icon Explanations	15	Extracorporeal or Systemic Assistance and Performance 5A0–5A2	432
2021 ICD-10-PCS Official Guidelines for Coding and Reporting	17	Extracorporeal or Systemic Therapies 6A0–6AB	433
Conventions	17	Osteopathic 7W0	435
Medical and Surgical Section Guidelines (Section 0)	18	Other Procedures 8C0–8E0	436
Obstetrics Section Guidelines (Section 1)	21	Chiropractic 9WB	438
Radiation Therapy Section Guidelines (Section D)	21	Imaging B00–BY4	439
New Technology Section Guidelines (Section X)	22	Nuclear Medicine C01–CW7	467
Selection of Principal Procedure	22	Radiation Therapy D00–DWY	476
Coding Practice	23	Physical Rehabilitation and Diagnostic Audiology F00–F15	493
ICD-10-PCS Alphabetic Index	27	Mental Health GZ1–GZJ	504
ICD-10-PCS Coding Section Tables	119	Substance Abuse Treatment HZ2–HZ9	506
Central Nervous System and Cranial Nerves 001–00X	119	New Technology X27–XY0	508
Peripheral Nervous System 012–01X	128	Appendices	515
Heart and Great Vessels 021–02Y	134	Appendix A: Medical and Surgical Approach Definitions	515
Upper Arteries 031–03W	145	Appendix B: Components of the Medical and Surgical Approach Definitions	516
Lower Arteries 041–04W	156	Appendix C: Root Operations Definitions	517
Upper Veins 051–05W	167	Appendix D: Comparison of Medical and Surgical Root Operations	519
Lower Veins 061–06W	176	Appendix E: Body Part Key	521
Lymphatic and Hemic Systems 072–07Y	185	Appendix F: Body Part Definitions	539
Eye 080–08X	192	Appendix G: Device Key	549
Ear, Nose, Sinus 090–09W	202	Appendix H: Device Definitions	555
		Appendix I: Device Aggregation Table	559
		Appendix J: Section Definitions	561
		Appendix K: Coding Practice Quiz Answers	569

0 Medical and Surgical
0 Central Nervous System and Cranial Nerves
D Extraction: Pulling or stripping out or off all or a portion of a body part by the use of force

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
1 Cerebral Meninges 2 Dura Mater F Olfactory Nerve G Optic Nerve H Oculomotor Nerve J Trochlear Nerve K Trigeminal Nerve L Abducens Nerve M Facial Nerve N Acoustic Nerve P Glossopharyngeal Nerve Q Vagus Nerve R Accessory Nerve S Hypoglossal Nerve T Spinal Meninges	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	Z No Device	Z No Qualifier

AHA: 00D20ZZ - 3Q 2015, 14

0 Medical and Surgical
0 Central Nervous System and Cranial Nerves
F Fragmentation: Breaking solid matter in a body part into pieces

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
3 Epidural Space, Intracranial NC 4 Subdural Space, Intracranial NC 5 Subarachnoid Space, Intracranial NC 6 Cerebral Ventricle NC U Spinal Canal	0 Open 3 Percutaneous 4 Percutaneous Endoscopic X External	Z No Device	Z No Qualifier

NC 00F(3/4/5/6)XZZ

0 Medical and Surgical
0 Central Nervous System and Cranial Nerves
H Insertion: Putting in a nonbiological appliance that monitors, assists, performs, or prevents a physiological function but does not physically take the place of a body part

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
0 Brain	0 Open	1 Radioactive Element 2 Monitoring Device 3 Infusion Device 4 Radioactive Element, Cesium-131 Collagen Implant M Neurostimulator Lead Y Other Device	Z No Qualifier
0 Brain	3 Percutaneous 4 Percutaneous Endoscopic	1 Radioactive Element 2 Monitoring Device 3 Infusion Device M Neurostimulator Lead Y Other Device	Z No Qualifier
6 Cerebral Ventricle E Cranial Nerve U Spinal Canal V Spinal Cord	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	1 Radioactive Element 2 Monitoring Device 3 Infusion Device M Neurostimulator Lead Y Other Device	Z No Qualifier

AHA: 00H633Z - Q2 2020, 12; 00HU03Z - Q2 2020, 13

0 Medical and Surgical
0 Central Nervous System and Cranial Nerves
J Inspection: Visually and/or manually exploring a body part

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
0 Brain E Cranial Nerve U Spinal Canal V Spinal Cord	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	Z No Device	Z No Qualifier

AHA: 00J00Z - 2Q 2019, 27; 00JU3ZZ - 1Q 2017, 50

0 Medical and Surgical
 0 Central Nervous System and Cranial Nerves
 K Map: Locating the route of passage of electrical impulses and/or locating functional areas in a body part

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
0 Brain 7 Cerebral Hemisphere 8 Basal Ganglia 9 Thalamus A Hypothalamus B Pons C Cerebellum D Medulla Oblongata	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	Z No Device	Z No Qualifier

0 Medical and Surgical
 0 Central Nervous System and Cranial Nerves
 N Release: Freeing a body part from an abnormal physical constraint by cutting or by the use of force

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
0 Brain 1 Cerebral Meninges 2 Dura Mater 6 Cerebral Ventricle 7 Cerebral Hemisphere 8 Basal Ganglia 9 Thalamus A Hypothalamus B Pons C Cerebellum D Medulla Oblongata F Olfactory Nerve G Optic Nerve H Oculomotor Nerve J Trochlear Nerve K Trigeminal Nerve L Abducens Nerve M Facial Nerve N Acoustic Nerve P Glossopharyngeal Nerve Q Vagus Nerve R Accessory Nerve S Hypoglossal Nerve T Spinal Meninges W Cervical Spinal Cord X Thoracic Spinal Cord Y Lumbar Spinal Cord	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	Z No Device	Z No Qualifier

AHA: 00N00ZZ - 2Q 2016, 29; 00NC0ZZ - 3Q 2017, 10; 00NM4ZZ - 4Q 2018, 8; 00NW0ZZ - 2Q 2015, 20-22, 2Q 2017, 23; 00NW3ZZ - 2Q 2019, 15; 00NY0ZZ - 1Q 2019, 22, 3Q 2018, 30

0 Medical and Surgical 0 Central Nervous System and Cranial Nerves P Removal: Taking out or off a device from a body part			
Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
0 Brain V Spinal Cord	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	0 Drainage Device 2 Monitoring Device 3 Infusion Device 7 Autologous Tissue Substitute J Synthetic Substitute K Nonautologous Tissue Substitute M Neurostimulator Lead Y Other Device	Z No Qualifier
0 Brain V Spinal Cord	X External	0 Drainage Device 2 Monitoring Device 3 Infusion Device M Neurostimulator Lead	Z No Qualifier
6 Cerebral Ventricle U Spinal Canal	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	0 Drainage Device 2 Monitoring Device 3 Infusion Device J Synthetic Substitute M Neurostimulator Lead Y Other Device	Z No Qualifier
6 Cerebral Ventricle U Spinal Canal	X External	0 Drainage Device 2 Monitoring Device 3 Infusion Device M Neurostimulator Lead	Z No Qualifier
E Cranial Nerve	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	0 Drainage Device 2 Monitoring Device 3 Infusion Device 7 Autologous Tissue Substitute M Neurostimulator Lead Y Other Device	Z No Qualifier
E Cranial Nerve	X External	0 Drainage Device 2 Monitoring Device 3 Infusion Device M Neurostimulator Lead	Z No Qualifier

0 Medical and Surgical 0 Central Nervous System and Cranial Nerves Q Repair: Restoring, to the extent possible, a body part to its normal anatomic structure and function			
Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
0 Brain 1 Cerebral Meninges 2 Dura Mater 6 Cerebral Ventricle 7 Cerebral Hemisphere 8 Basal Ganglia 9 Thalamus A Hypothalamus B Pons C Cerebellum D Medulla Oblongata F Olfactory Nerve G Optic Nerve H Oculomotor Nerve J Trochlear Nerve K Trigeminal Nerve L Abducens Nerve M Facial Nerve N Acoustic Nerve P Glossopharyngeal Nerve Q Vagus Nerve R Accessory Nerve S Hypoglossal Nerve T Spinal Meninges W Cervical Spinal Cord X Thoracic Spinal Cord Y Lumbar Spinal Cord	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	Z No Device	Z No Qualifier

AHA: 00Q20ZZ - 3Q 2013, 25

0 Medical and Surgical
0 Central Nervous System and Cranial Nerves
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

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
1 Cerebral Meninges	0 Open	7 Autologous Tissue Substitute	Z No Qualifier
2 Dura Mater	4 Percutaneous Endoscopic	J Synthetic Substitute	
6 Cerebral Ventricle		K Nonautologous Tissue Substitute	
F Olfactory Nerve			
G Optic Nerve			
H Oculomotor Nerve			
J Trochlear Nerve			
K Trigeminal Nerve			
L Abducens Nerve			
M Facial Nerve			
N Acoustic Nerve			
P Glossopharyngeal Nerve			
Q Vagus Nerve			
R Accessory Nerve			
S Hypoglossal Nerve			
T Spinal Meninges			

0 Medical and Surgical
0 Central Nervous System and Cranial Nerves
S Reposition: Moving to its normal location, or other suitable location, all or a portion of a body part

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
F Olfactory Nerve	0 Open	Z No Device	Z No Qualifier
G Optic Nerve	3 Percutaneous		
H Oculomotor Nerve	4 Percutaneous Endoscopic		
J Trochlear Nerve			
K Trigeminal Nerve			
L Abducens Nerve			
M Facial Nerve			
N Acoustic Nerve			
P Glossopharyngeal Nerve			
Q Vagus Nerve			
R Accessory Nerve			
S Hypoglossal Nerve			
W Cervical Spinal Cord			
X Thoracic Spinal Cord			
Y Lumbar Spinal Cord			

0 Medical and Surgical
0 Central Nervous System and Cranial Nerves
T Resection: Cutting out or off, without replacement, all of a body part

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
7 Cerebral Hemisphere	0 Open	Z No Device	Z No Qualifier
	3 Percutaneous		
	4 Percutaneous Endoscopic		

0 Medical and Surgical
0 Central Nervous System and Cranial Nerves
U Supplement: Putting in or on biological or synthetic material that physically reinforces and/or augments the function of a portion of a body part

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
1 Cerebral Meninges	0 Open	7 Autologous Tissue Substitute	Z No Qualifier
2 Dura Mater	3 Percutaneous	J Synthetic Substitute	
6 Cerebral Ventricle	4 Percutaneous Endoscopic	K Nonautologous Tissue Substitute	
F Olfactory Nerve			
G Optic Nerve			
H Oculomotor Nerve			
J Trochlear Nerve			
K Trigeminal Nerve			
L Abducens Nerve			
M Facial Nerve			
N Acoustic Nerve			
P Glossopharyngeal Nerve			
Q Vagus Nerve			
R Accessory Nerve			
S Hypoglossal Nerve			
T Spinal Meninges			

AHA: 00U20KZ - 1Q 2018, 7, 3Q 2017, 10

0 Medical and Surgical 0 Central Nervous System and Cranial Nerves W Revision: Correcting, to the extent possible, a portion of a malfunctioning device or the position of a displaced device			
Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
0 Brain V Spinal Cord	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	0 Drainage Device 2 Monitoring Device 3 Infusion Device 7 Autologous Tissue Substitute J Synthetic Substitute K Nonautologous Tissue Substitute M Neurostimulator Lead Y Other Device	Z No Qualifier
0 Brain V Spinal Cord	X External	0 Drainage Device 2 Monitoring Device 3 Infusion Device 7 Autologous Tissue Substitute J Synthetic Substitute K Nonautologous Tissue Substitute M Neurostimulator Lead	Z No Qualifier
6 Cerebral Ventricle U Spinal Canal	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	0 Drainage Device 2 Monitoring Device 3 Infusion Device J Synthetic Substitute M Neurostimulator Lead Y Other Device	Z No Qualifier
6 Cerebral Ventricle U Spinal Canal	X External	0 Drainage Device 2 Monitoring Device 3 Infusion Device J Synthetic Substitute M Neurostimulator Lead	Z No Qualifier
E Cranial Nerve	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	0 Drainage Device 2 Monitoring Device 3 Infusion Device 7 Autologous Tissue Substitute M Neurostimulator Lead Y Other Device	Z No Qualifier
E Cranial Nerve	X External	0 Drainage Device 2 Monitoring Device 3 Infusion Device 7 Autologous Tissue Substitute M Neurostimulator Lead	Z No Qualifier

0 Medical and Surgical 0 Central Nervous System and Cranial Nerves X Transfer: 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			
Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
F Olfactory Nerve G Optic Nerve H Oculomotor Nerve J Trochlear Nerve K Trigeminal Nerve L Abducens Nerve M Facial Nerve N Acoustic Nerve P Glossopharyngeal Nerve Q Vagus Nerve R Accessory Nerve S Hypoglossal Nerve	0 Open 4 Percutaneous Endoscopic	Z No Device	F Olfactory Nerve G Optic Nerve H Oculomotor Nerve J Trochlear Nerve K Trigeminal Nerve L Abducens Nerve M Facial Nerve N Acoustic Nerve P Glossopharyngeal Nerve Q Vagus Nerve R Accessory Nerve S Hypoglossal Nerve

Peripheral Nervous System | 012-01X

0 Medical and Surgical
1 Peripheral Nervous System
2 Change: Taking out or off a device from a body part and putting back an identical or similar device in or on the same body part without cutting or puncturing the skin or a mucous membrane

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
Y Peripheral Nerve	X External	0 Drainage Device Y Other Device	Z No Qualifier

0 Medical and Surgical
1 Peripheral Nervous System
5 Destruction: Physical eradication of all or a portion of a body part by the direct use of energy, force, or a destructive agent

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
0 Cervical Plexus 1 Cervical Nerve 2 Phrenic Nerve 3 Brachial Plexus 4 Ulnar Nerve 5 Median Nerve 6 Radial Nerve 8 Thoracic Nerve 9 Lumbar Plexus A Lumbosacral Plexus B Lumbar Nerve C Pudendal Nerve D Femoral Nerve F Sciatic Nerve G Tibial Nerve H Peroneal Nerve K Head and Neck Sympathetic Nerve L Thoracic Sympathetic Nerve M Abdominal Sympathetic Nerve N Lumbar Sympathetic Nerve P Sacral Sympathetic Nerve Q Sacral Plexus R Sacral Nerve	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	Z No Device	Z No Qualifier

0 Medical and Surgical
1 Peripheral Nervous System
8 Division: Cutting into a body part, without draining fluids and/or gases from the body part, in order to separate or transect a body part

Character 4 Body Part	Character 5 Approach	Character 6 Device	Character 7 Qualifier
0 Cervical Plexus 1 Cervical Nerve 2 Phrenic Nerve 3 Brachial Plexus 4 Ulnar Nerve 5 Median Nerve 6 Radial Nerve 8 Thoracic Nerve 9 Lumbar Plexus A Lumbosacral Plexus B Lumbar Nerve C Pudendal Nerve D Femoral Nerve F Sciatic Nerve G Tibial Nerve H Peroneal Nerve K Head and Neck Sympathetic Nerve L Thoracic Sympathetic Nerve M Abdominal Sympathetic Nerve N Lumbar Sympathetic Nerve P Sacral Sympathetic Nerve Q Sacral Plexus R Sacral Nerve	0 Open 3 Percutaneous 4 Percutaneous Endoscopic	Z No Device	Z No Qualifier