2019 Facility and Physician Billing Guide

Heart Valve Therapy

Physician Billing Codes

Clinicians use Current Procedural Terminology (CPT)[1] codes to bill for procedures and services. Each CPT code is assigned unique Relative Value Units (RVUs), which are used to determine payment by the Centers for Medicare & Medicaid Services (CMS) and other payers. Some commonly billed CPT codes used to describe procedures related to Edwards Lifesciences' Heart Valve technologies are listed below.[2] This list may not be comprehensive or complete. These procedures may be subject to the CMS multiple procedure reduction rule. When applicable, a payment reduction of 50% is applied to all payment amounts except the procedure with the greatest RVUs, which is paid at 100% unless exempt by CPT instructions or payer policy.

CPT Code	Description	Medicare National Average Physician Payment[3] Facility Setting
Surgical Services for Valve Repair/Replacement Procedures		
33390	Valvuloplasty, aortic valve, open, with cardiopulmonary bypass; simple (ie, valvotomy, debridement, debulking and/or simple commissural resuspension)	$2,012
33391	Valvuloplasty, aortic valve, open, with cardiopulmonary bypass; complex (eg, leaflet extension, leaflet resection, leaflet reconstruction or annuloplasty)	$2,283
33405	Replacement, aortic valve, with cardiopulmonary bypass; with prosthetic valve other than homograft or stentless valve	$2,367
33406	Replacement, aortic valve, with cardiopulmonary bypass; with allograft valve (freehand)	$2,998
33410	Replacement, aortic valve, with cardiopulmonary bypass; with stentless tissue valve	$2,654
33411	Replacement, aortic valve; with aortic annulus enlargement, noncoronary sinus	$3,508
33412	Replacement, aortic valve; with transventricular aortic annulus enlargement (Konno procedure)	$3,282
33413	Replacement, aortic valve; by translocation of autologous pulmonary valve with allograft replacement of pulmonary valve (Ross procedure)	$3,343
33420	Valvotomy, mitral valve; closed heart	$1,524
33422	Valvotomy, mitral valve; open heart, with cardiopulmonary bypass	$1,730
33425	Valvuloplasty, mitral valve, with cardiopulmonary bypass	$2,849
33426	Valvuloplasty, mitral valve, with cardiopulmonary bypass; with prosthetic ring	$2,486
33427	Valvuloplasty, mitral valve, with cardiopulmonary bypass; radical reconstruction, with or without ring	$2,552
33430	Replacement, mitral valve, with cardiopulmonary bypass	$2,921
33460	Valvectomy, tricuspid valve, with cardiopulmonary bypass	$2,504
33463	Valvuloplasty, tricuspid valve; without ring insertion	$3,226
33464	Valvuloplasty, tricuspid valve; with ring insertion	$2,548
33465	Replacement, tricuspid valve, with cardiopulmonary bypass	$2,880
33468	Tricuspid valve repositioning and plication for Ebstein anomaly	$2,519
33470	Valvotomy, pulmonary valve, closed heart; transventricular	$1,294
33471	Valvotomy, pulmonary valve, closed heart; via pulmonary artery	$1,384

Edwards

CPT Code	Description	Medicare National Average Physician Payment[3] Facility Setting
33475	Replacement, pulmonary valve	$2,436
33999	Unlisted procedure, cardiac surgery	Contractor Priced
92986	Percutaneous balloon valvuloplasty; aortic valve	$1,383
92987	Percutaneous balloon valvuloplasty; mitral valve	$1,427
92990	Percutaneous balloon valvuloplasty; pulmonary valve	$1,140
Surgical Services for CABG Procedures		
33510	Coronary artery bypass, vein only; single coronary venous graft	$2,016
33511	Coronary artery bypass, vein only; 2 coronary venous grafts	$2,215
33512	Coronary artery bypass, vein only; 3 coronary venous grafts	$2,522
33513	Coronary artery bypass, vein only; 4 coronary venous grafts	$2,597
33514	Coronary artery bypass, vein only; 5 coronary venous grafts	$2,731
33516	Coronary artery bypass, vein only; 6 or more coronary venous grafts	$2,816
33517	Coronary artery bypass, using venous graft(s) and arterial graft(s); single vein graft (list separately in addition to code for primary procedure)	$195
33518	Coronary artery bypass, using venous graft(s) and arterial graft(s); 2 venous grafts (list separately in addition to code for primary procedure)	$430
33519	Coronary artery bypass, using venous graft(s) and arterial graft(s); 3 venous grafts (list separately in addition to code for primary procedure)	$569
33521	Coronary artery bypass, using venous graft(s) and arterial graft(s); 4 venous grafts (list separately in addition to code for primary procedure)	$682
33522	Coronary artery bypass, using venous graft(s) and arterial graft(s); 5 venous grafts (list separately in addition to code for primary procedure)	$766
33523	Coronary artery bypass, using venous graft(s) and arterial graft(s); 6 or more venous grafts (list separately in addition to code for primary procedure)	$865
33530	Reoperation, coronary artery bypass procedure or valve procedure, more than 1 month after original operation (List separately in addition to code for primary procedure)	$550
33533	Coronary artery bypass, using arterial graft(s); single arterial graft	$1,949
33534	Coronary artery bypass, using arterial graft(s); 2 coronary arterial grafts	$2,293
33535	Coronary artery bypass, using arterial graft(s); 3 coronary arterial grafts	$2,558
33536	Coronary artery bypass, using arterial graft(s); 4 or more coronary arterial grafts	$2,743
35600	Harvest of upper extremity artery, 1 segment, for coronary artery bypass procedure (list separately in addition to code for primary procedure)	$268

CPT Code	Description	Medicare National Average Physician Payment[3] Facility Setting
Anesthesia Services		
36013	Introduction of catheter, right heart or main pulmonary artery[4]	$127
36200	Introduction of catheter, aorta[4]	$146
36620	Arterial catheterization or cannulation for sampling, monitoring or transfusion (separate procedure); percutaneous[4]	$46
93318 - 26	Echocardiography, transesophageal (TEE) for monitoring purposes, including probe placement, real time 2D image acquisition and interpretation leading to ongoing (continuous) assessment of (dynamically changing) cardiac pumping function and to therapeutic measures on an immediate time basis[5]	$108
93503	Insertion and placement of flow directed catheter (e.g., Swan-Ganz catheter) for monitoring purposes	$92

Inpatient Hospital Reimbursement

Medicare reimburses inpatient hospital services under the Inpatient Prospective Payment System (IPPS), which bases payment on Medicare Severity-Diagnosis Related Groups (MS-DRGs). All services and supplies provided during the inpatient admission are bundled into a single MS-DRG payment rate for each patient regardless of the length of stay, intensity of treatments, or number of procedures performed. MS-DRG assignment is usually determined based on the patient's primary diagnosis or procedure performed, as indicated by the ICD-10 codes on the billing form.

MS-DRG[6]	Description	FY2019 Medicare National Average Payment
Valve Repair/Replacement Procedures		
216	Cardiac valve procedures and other major cardiothoracic procedures with cardiac catheterization with MCC	$59,961
217	Cardiac valve procedures and other major cardiothoracic procedures with cardiac catheterization with CC	$38,848
218	Cardiac valve procedures and other major cardiothoracic procedures with cardiac catheterization without MCC or CC	$36,055
219	Cardiac valve procedures and other major cardiothoracic procedures without cardiac catheterization with MCC	$46,961
220	Cardiac valve procedures and other major cardiothoracic procedures without cardiac catheterization with CC	$31,781
221	Cardiac valve procedures and other major cardiothoracic procedures without cardiac catheterization without MCC or CC	$28,130

MS-DRG[6]	Description	FY2019 Medicare National Average Payment
CABG Procedures		
231	Coronary bypass with PTCA with MCC	$51,279
232	Coronary bypass with PTCA without MCC	$37,612
233	Coronary bypass with cardiac catheterization with MCC	$46,632
234	Coronary bypass with cardiac catheterization without MCC	$31,426
235	Coronary bypass without cardiac catheterization with MCC	$35,472
236	Coronary bypass without cardiac catheterization without MCC	$23,972

Inpatient Hospital Billing Codes

Medicare inpatient hospital reimbursement is based upon the Medicare Severity-Diagnosis Related Group (MS-DRG) classification system, which assigns MS-DRGs based on the International Classification of Diseases, Tenth Revision, Procedure Coding System. The compliance date for mandatory use of ICD-10 codes was October 1, 2015[7], and this guide provides the cross-over codes for reference only.

ICD-10-PCS Section and Body System[10]	ICD-10-PCS Procedure Code[10]	Description
Valve Repair/Replacement Procedures – New Technology Group		
New Technology Group 2 - Cardiovascular System Procedure code specifically to be used with EDWARDS INTUITY Elite valve system	X2RF032	Replacement, Zooplastic Tissue, Rapid Deployment Technique, Open Approach

ICD-10-PCS Procedure Code[10]	Description
Valve Repair/Replacement Procedures	
02RG37Z	Replacement of Mitral Valve with Autologous Tissue Substitute, Percutaneous Approach
02RG38Z	Replacement of Mitral Valve with Zooplastic Tissue, Percutaneous Approach
02RG3JZ	Replacement of Mitral Valve with Synthetic Substitute, Percutaneous Approach
02RG3KZ	Replacement of Mitral Valve with Nonautologous Tissue Substitute, Percutaneous Approach
02RJ37H	Replacement of Tricuspid Valve with Autologous Tissue Substitute, Transapical, Percutaneous Approach
02RJ37Z	Replacement of Tricuspid Valve with Autologous Tissue Substitute, Percutaneous Approach
02RJ38H	Replacement of Tricuspid Valve with Zooplastic Tissue, Transapical, Percutaneous Approach
02RJ38Z	Replacement of Tricuspid Valve with Zooplastic Tissue, Percutaneous Approach
02RJ3JH	Replacement of Tricuspid Valve with Synthetic Substitute, Transapical, Percutaneous Approach
02RJ3JZ	Replacement of Tricuspid Valve with Synthetic Substitute, Percutaneous Approach
02RJ3KH	Replacement of Tricuspid Valve with Nonautologous Tissue Substitute, Transapical, Percutaneous Approach
02RJ3KZ	Replacement of Tricuspid Valve with Nonautologous Tissue Substitute, Percutaneous Approach
02RF07Z	Replacement of Aortic Valve with Autologous Tissue Substitute, Open Approach
02RF08Z	Replacement of Aortic Valve with Zooplastic Tissue, Open Approach
02RF0KZ	Replacement of Aortic Valve with Nonautologous Tissue Substitute, Open Approach
02RF47Z	Replacement of Aortic Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RF48Z	Replacement of Aortic Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RF4KZ	Replacement of Aortic Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RF0JZ	Replacement of Aortic Valve with Synthetic Substitute, Open Approach
02RF4JZ	Replacement of Aortic Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02NF3ZZ	Release Aortic Valve, Percutaneous Approach
02NF4ZZ	Release Aortic Valve, Percutaneous Endoscopic Approach
02NG3ZZ	Release Mitral Valve, Percutaneous Approach
02NG4ZZ	Release Mitral Valve, Percutaneous Endoscopic Approach
02NH3ZZ	Release Pulmonary Valve, Percutaneous Approach
02NH4ZZ	Release Pulmonary Valve, Percutaneous Endoscopic Approach
02NJ3ZZ	Release Tricuspid Valve, Percutaneous Approach
02NJ4ZZ	Release Tricuspid Valve, Percutaneous Endoscopic Approach
02CF3ZZ	Extirpation of Matter from Aortic Valve, Percutaneous Approach
02CF4ZZ	Extirpation of Matter from Aortic Valve, Percutaneous Endoscopic Approach
02NF3ZZ	Release Aortic Valve, Percutaneous Approach
02NF4ZZ	Release Aortic Valve, Percutaneous Endoscopic Approach
02CG3ZZ	Extirpation of Matter from Mitral Valve, Percutaneous Approach
02CG4ZZ	Extirpation of Matter from Mitral Valve, Percutaneous Approach
02NG3ZZ	Release Mitral Valve, Percutaneous Approach
02NG4ZZ	Release Mitral Valve, Percutaneous Endoscopic Approach
02CH3ZZ	Extirpation of Matter from Pulmonary Valve, Percutaneous Approach
02CH4ZZ	Extirpation of Matter from Pulmonary Valve, Percutaneous Endoscopic Approach
02NH3ZZ	Release Pulmonary Valve, Percutaneous Approach
02NH4ZZ	Release Pulmonary Valve, Percutaneous Endoscopic Approach
02CJ3ZZ	Extirpation of Matter from Tricuspid Valve, Percutaneous Approach
02CJ4ZZ	Extirpation of Matter from Tricuspid Valve, Percutaneous Endoscopic Approach
02NJ3ZZ	Release Tricuspid Valve, Percutaneous Approach
02NJ4ZZ	Release Tricuspid Valve, Percutaneous Endoscopic Approach
02QF0ZZ	Repair Aortic Valve, Open Approach
02QG0ZZ	Repair Mitral Valve, Open Approach

ICD-10-PCS Procedure Code[10]	Description
02QH0ZZ	Repair Pulmonary Valve, Open Approach
02QJ0ZZ	Repair Tricuspid Valve, Open Approach
027F04Z	Dilation of Aortic Valve with Drug-eluting Intraluminal Device, Open Approach
027F0DZ	Dilation of Aortic Valve with Intraluminal Device, Open Approach
027F0ZZ	Dilation of Aortic Valve, Open Approach
02NF0ZZ	Release Aortic Valve, Open Approach
02QF0ZZ	Repair Aortic Valve, Open Approach
027G04Z	Dilation of Mitral Valve with Drug-eluting Intraluminal Device, Open Approach
027G0DZ	Dilation of Mitral Valve with Intraluminal Device, Open Approach
027G0ZZ	Dilation of Mitral Valve, Open Approach
02NG0ZZ	Release Mitral Valve, Open Approach
02QG0ZZ	Repair Mitral Valve, Open Approach
027H04Z	Dilation of Pulmonary Valve with Drug-eluting Intraluminal Device, Open Approach
027H0DZ	Dilation of Pulmonary Valve with Intraluminal Device, Open Approach
027H0ZZ	Dilation of Pulmonary Valve, Open Approach
02NH0ZZ	Release Pulmonary Valve, Open Approach
02QH0ZZ	Repair Pulmonary Valve, Open Approach
027J04Z	Dilation of Tricuspid Valve with Drug-eluting Intraluminal Device, Open Approach
027J0DZ	Dilation of Tricuspid Valve with Intraluminal Device, Open Approach
027J0ZZ	Dilation of Tricuspid Valve, Open Approach
02NH0ZZ	Release Tricuspid Valve, Open Approach
02QJ0ZZ	Repair Tricuspid Valve, Open Approach
02RF07Z	Replacement of Aortic Valve with Autologous Tissue Substitute, Open Approach
02RF08Z	Replacement of Aortic Valve with Zooplastic Tissue, Open Approach
02RF0JZ	Replacement of Aortic Valve with Synthetic Substitute, Open Approach
02RF0KZ	Replacement of Aortic Valve with Nonautologous Tissue Substitute, Open Approach
02RF47Z	Replacement of Aortic Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RF48Z	Replacement of Aortic Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RF4JZ	Replacement of Aortic Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02RF4KZ	Replacement of Aortic Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RG07Z	Replacement of Mitral Valve with Autologous Tissue Substitute, Open Approach
02RG08Z	Replacement of Mitral Valve with Zooplastic Tissue, Open Approach
02RG0JZ	Replacement of Mitral Valve with Synthetic Substitute, Open Approach
02RG0KZ	Replacement of Mitral Valve with Nonautologous Tissue Substitute, Open Approach
02RF4KZ	Replacement of Aortic Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RG47Z	Replacement of Mitral Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RG48Z	Replacement of Mitral Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RG4JZ	Replacement of Mitral Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02RG4KZ	Replacement of Mitral Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RH07Z	Replacement of Pulmonary Valve with Autologous Tissue Substitute, Open Approach
02RH08Z	Replacement of Pulmonary Valve with Zooplastic Tissue, Open Approach
02RH0JZ	Replacement of Pulmonary Valve with Synthetic Substitute, Open Approach
02RH0KZ	Replacement of Pulmonary Valve with Nonautologous Tissue Substitute, Open Approach
02RH47Z	Replacement of Pulmonary Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RH48Z	Replacement of Pulmonary Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RH4JZ	Replacement of Pulmonary Valve with Synthetic Substitute, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
02RH4KZ	Replacement of Pulmonary Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RJ07Z	Replacement of Tricuspid Valve with Autologous Tissue Substitute, Open Approach
02RJ08Z	Replacement of Tricuspid Valve with Zooplastic Tissue, Open Approach
02RJ0JZ	Replacement of Tricuspid Valve with Synthetic Substitute, Open Approach
02RJ0KZ	Replacement of Tricuspid Valve with Nonautologous Tissue Substitute, Open Approach
02RJ47Z	Replacement of Tricuspid Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RJ48Z	Replacement of Tricuspid Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RJ4JZ	Replacement of Tricuspid Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02RJ4KZ	Replacement of Tricuspid Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RG07Z	Replacement of Mitral Valve with Autologous Tissue Substitute, Open Approach
02RG08Z	Replacement of Mitral Valve with Zooplastic Tissue, Open Approach
02RG0KZ	Replacement of Mitral Valve with Nonautologous Tissue Substitute, Open Approach
02RG37Z	Replacement of Mitral Valve with Autologous Tissue Substitute, Percutaneous Approach
02RG38Z	Replacement of Mitral Valve with Zooplastic Tissue, Percutaneous Approach
02RG3KZ	Replacement of Mitral Valve with Nonautologous Tissue Substitute, Percutaneous Approach
02RG47Z	Replacement of Mitral Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RG48Z	Replacement of Mitral Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RG4KZ	Replacement of Mitral Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RG0JZ	Replacement of Mitral Valve with Synthetic Substitute, Open Approach
02RG3JZ	Replacement of Mitral Valve with Synthetic Substitute, Percutaneous Approach
02RG4JZ	Replacement of Mitral Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02RH0JZ	Replacement of Pulmonary Valve with Synthetic Substitute, Open Approach
02RH4JZ	Replacement of Pulmonary Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02RJ07Z	Replacement of Tricuspid Valve with Autologous Tissue Substitute, Open Approach
02RJ08Z	Replacement of Tricuspid Valve with Zooplastic Tissue, Open Approach
02RJ0KZ	Replacement of Tricuspid Valve with Nonautologous Tissue Substitute, Open Approach
02RJ47Z	Replacement of Tricuspid Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RJ48Z	Replacement of Tricuspid Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RJ4KZ	Replacement of Tricuspid Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RJ0JZ	Replacement of Tricuspid Valve with Synthetic Substitute, Open Approach
02RJ4JZ	Replacement of Tricuspid Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02QF0ZZ	Repair Aortic Valve, Open Approach
02QF3ZZ	Repair Aortic Valve, Percutaneous Approach
02QF4ZZ	Repair Aortic Valve, Percutaneous Endoscopic Approach
02QG0ZZ	Repair Mitral Valve, Open Approach
02QG3ZZ	Repair Mitral Valve, Percutaneous Approach
02QG4ZZ	Repair Mitral Valve, Percutaneous Endoscopic Approach
02QH0ZZ	Repair Pulmonary Valve, Open Approach
02QH3ZZ	Repair Pulmonary Valve, Percutaneous Approach
02QH4ZZ	Repair Pulmonary Valve, Percutaneous Endoscopic Approach
02QJ0ZZ	Repair Tricuspid Valve, Open Approach
02QJ3ZZ	Repair Tricuspid Valve, Percutaneous Approach
02QJ4ZZ	Repair Tricuspid Valve, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
02UF07Z	Supplement Aortic Valve with Autologous Tissue Substitute, Open Approach
02UF08Z	Supplement Aortic Valve with Zooplastic Tissue, Open Approach
02UF0JZ	Supplement Aortic Valve with Synthetic Substitute, Open Approach
02UF0KZ	Supplement Aortic Valve with Nonautologous Tissue Substitute, Open Approach
02UF37Z	Supplement Aortic Valve with Autologous Tissue Substitute, Percutaneous Approach
02UF38Z	Supplement Aortic Valve with Zooplastic Tissue, Percutaneous Approach
02UF3JZ	Supplement Aortic Valve with Synthetic Substitute, Percutaneous Approach
02UF3KZ	Supplement Aortic Valve with Nonautologous Tissue Substitute, Percutaneous Approach
02UF47Z	Supplement Aortic Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02UF48Z	Supplement Aortic Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02UF4JZ	Supplement Aortic Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02UF4KZ	Supplement Aortic Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02UG07Z	Supplement Mitral Valve with Autologous Tissue Substitute, Open Approach
02UG08Z	Supplement Mitral Valve with Zooplastic Tissue, Open Approach
02UG0JZ	Supplement Mitral Valve with Synthetic Substitute, Open Approach
02UG0KZ	Supplement Mitral Valve with Nonautologous Tissue Substitute, Open Approach
02UG37Z	Supplement Mitral Valve with Autologous Tissue Substitute, Percutaneous Approach
02UG38Z	Supplement Mitral Valve with Zooplastic Tissue, Percutaneous Approach
02UG3JZ	Supplement Mitral Valve with Synthetic Substitute, Percutaneous Approach
02UG3KZ	Supplement Mitral Valve with Nonautologous Tissue Substitute, Percutaneous Approach
02UG47Z	Supplement Mitral Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02UG48Z	Supplement Mitral Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02UG4JZ	Supplement Mitral Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02UG4KZ	Supplement Mitral Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02UH07Z	Supplement Pulmonary Valve with Autologous Tissue Substitute, Open Approach
02UH08Z	Supplement Pulmonary Valve with Zooplastic Tissue, Open Approach
02UH0JZ	Supplement Pulmonary Valve with Synthetic Substitute, Open Approach
02UH0KZ	Supplement Pulmonary Valve with Nonautologous Tissue Substitute, Open Approach
02UH37Z	Supplement Pulmonary Valve with Autologous Tissue Substitute, Percutaneous Approach
02UH38Z	Supplement Pulmonary Valve with Zooplastic Tissue, Percutaneous Approach
02UH3JZ	Supplement Pulmonary Valve with Synthetic Substitute, Percutaneous Approach
02UH3KZ	Supplement Pulmonary Valve with Nonautologous Tissue Substitute, Percutaneous Approach
02UH47Z	Supplement Pulmonary Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02UH48Z	Supplement Pulmonary Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02UH4JZ	Supplement Pulmonary Valve with Synthetic Substitute, Percutaneous Endoscopic Approach
02UH4KZ	Supplement Pulmonary Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02UJ07Z	Supplement Tricuspid Valve with Autologous Tissue Substitute, Open Approach
02UJ08Z	Supplement Tricuspid Valve with Zooplastic Tissue, Open Approach
02UJ0JZ	Supplement Tricuspid Valve with Synthetic Substitute, Open Approach
02UJ0KZ	Supplement Tricuspid Valve with Nonautologous Tissue Substitute, Open Approach
02UJ37Z	Supplement Tricuspid Valve with Autologous Tissue Substitute, Percutaneous Approach
02UJ38Z	Supplement Tricuspid Valve with Zooplastic Tissue, Percutaneous Approach
02UJ3JZ	Supplement Tricuspid Valve with Synthetic Substitute, Percutaneous Approach
02UJ3KZ	Supplement Tricuspid Valve with Nonautologous Tissue Substitute, Percutaneous Approach
02UJ47Z	Supplement Tricuspid Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02UJ48Z	Supplement Tricuspid Valve with Zooplastic Tissue, Percutaneous Endoscopic Approach
02UJ4JZ	Supplement Tricuspid Valve with Synthetic Substitute, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
02UJ4KZ	Supplement Tricuspid Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02CF0ZZ	Extirpation of Matter from Aortic Valve, Open Approach
02CG0ZZ	Extirpation of Matter from Mitral Valve, Open Approach
02CH0ZZ	Extirpation of Matter from Pulmonary Valve, Open Approach
02CJ0ZZ	Extirpation of Matter from Tricuspid Valve, Open Approach
02QF0ZZ	Repair Aortic Valve, Open Approach
02QG0ZZ	Repair Mitral Valve, Open Approach
02QH0ZZ	Repair Pulmonary Valve, Open Approach
02QJ0ZZ	Repair Tricuspid Valve, Open Approach
02TH0ZZ	Resection of Pulmonary Valve, Open Approach
02TH3ZZ	Resection of Pulmonary Valve, Percutaneous Approach
02TH4ZZ	Resection of Pulmonary Valve, Percutaneous Endoscopic Approach
02HA3RZ	Insertion of External Heart Assist System into Heart, Percutaneous Approach
5A02116	Assistance with Cardiac Output using Other Pump, Intermittent
5A0211D	Assistance with Cardiac Output using Impeller Pump, Intermittent
5A02216	Assistance with Cardiac Output using Other Pump, Continuous
5A0221D	Assistance with Cardiac Output using Impeller Pump, Continuous
02RP07Z	Replacement of Pulmonary Trunk with Autologous Tissue Substitute, Open Approach
02RP08Z	Replacement of Pulmonary Trunk with Zooplastic Tissue, Open Approach
02RP0JZ	Replacement of Pulmonary Trunk with Synthetic Substitute, Open Approach
02RP0KZ	Replacement of Pulmonary Trunk with Nonautologous Tissue Substitute, Open Approach
02RP47Z	Replacement of Pulmonary Trunk with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RP48Z	Replacement of Pulmonary Trunk with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RP4JZ	Replacement of Pulmonary Trunk with Synthetic Substitute, Percutaneous Endoscopic Approach
02RP4KZ	Replacement of Pulmonary Trunk with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RQ07Z	Replacement of Right Pulmonary Artery with Autologous Tissue Substitute, Open Approach
02RQ08Z	Replacement of Right Pulmonary Artery with Zooplastic Tissue, Open Approach
02RQ0JZ	Replacement of Right Pulmonary Artery with Synthetic Substitute, Open Approach
02RQ0KZ	Replacement of Right Pulmonary Artery with Nonautologous Tissue Substitute, Open Approach
02RQ47Z	Replacement of Right Pulmonary Artery with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RQ48Z	Replacement of Right Pulmonary Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RQ4JZ	Replacement of Right Pulmonary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02RQ4KZ	Replacement of Right Pulmonary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RR07Z	Replacement of Left Pulmonary Artery with Autologous Tissue Substitute, Open Approach
02RR08Z	Replacement of Left Pulmonary Artery with Zooplastic Tissue, Open Approach
02RR0JZ	Replacement of Left Pulmonary Artery with Synthetic Substitute, Open Approach
02RR0KZ	Replacement of Left Pulmonary Artery with Nonautologous Tissue Substitute, Open Approach
02RR47Z	Replacement of Left Pulmonary Artery with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RR48Z	Replacement of Left Pulmonary Artery with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RR4JZ	Replacement of Left Pulmonary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02RR4KZ	Replacement of Left Pulmonary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RS07Z	Replacement of Right Pulmonary Vein with Autologous Tissue Substitute, Open Approach
02RS08Z	Replacement of Right Pulmonary Vein with Zooplastic Tissue, Open Approach

ICD-10-PCS Procedure Code[10]	Description
02RS0JZ	Replacement of Right Pulmonary Vein with Synthetic Substitute, Open Approach
02RS0KZ	Replacement of Right Pulmonary Vein with Nonautologous Tissue Substitute, Open Approach
02RS47Z	Replacement of Right Pulmonary Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RS48Z	Replacement of Right Pulmonary Vein with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RS4JZ	Replacement of Right Pulmonary Vein with Synthetic Substitute, Percutaneous Endoscopic Approach
02RS4KZ	Replacement of Right Pulmonary Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RT07Z	Replacement of Left Pulmonary Vein with Autologous Tissue Substitute, Open Approach
02RT08Z	Replacement of Left Pulmonary Vein with Zooplastic Tissue, Open Approach
02RT0JZ	Replacement of Left Pulmonary Vein with Synthetic Substitute, Open Approach
02RT0KZ	Replacement of Left Pulmonary Vein with Nonautologous Tissue Substitute, Open Approach
02RT47Z	Replacement of Left Pulmonary Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RT48Z	Replacement of Left Pulmonary Vein with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RT4JZ	Replacement of Left Pulmonary Vein with Synthetic Substitute, Percutaneous Endoscopic Approach
02RT4KZ	Replacement of Left Pulmonary Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RV07Z	Replacement of Superior Vena Cava with Autologous Tissue Substitute, Open Approach
02RV08Z	Replacement of Superior Vena Cava with Zooplastic Tissue, Open Approach
02RV0JZ	Replacement of Superior Vena Cava with Synthetic Substitute, Open Approach
02RV0KZ	Replacement of Superior Vena Cava with Nonautologous Tissue Substitute, Open Approach
02RV47Z	Replacement of Superior Vena Cava with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RV48Z	Replacement of Superior Vena Cava with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RV4JZ	Replacement of Superior Vena Cava with Synthetic Substitute, Percutaneous Endoscopic Approach
02RV4KZ	Replacement of Superior Vena Cava with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RW07Z	Replacement of Thoracic Aorta with Autologous Tissue Substitute, Open Approach
02RW08Z	Replacement of Thoracic Aorta with Zooplastic Tissue, Open Approach
02RW0JZ	Replacement of Thoracic Aorta with Synthetic Substitute, Open Approach
02RW0KZ	Replacement of Thoracic Aorta with Nonautologous Tissue Substitute, Open Approach
02RW48Z	Replacement of Thoracic Aorta with Zooplastic Tissue, Percutaneous Endoscopic Approach
02RW4JZ	Replacement of Thoracic Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach
02RW4KZ	Replacement of Thoracic Aorta with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
03R007Z	Replacement of Right Internal Mammary Artery with Autologous Tissue Substitute, Open Approach
03R00JZ	Replacement of Right Internal Mammary Artery with Synthetic Substitute, Open Approach
03R00KZ	Replacement of Right Internal Mammary Artery with Nonautologous Tissue Substitute, Open Approach
03R047Z	Replacement of Right Internal Mammary Artery with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
03R04JZ	Replacement of Right Internal Mammary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
03R04KZ	Replacement of Right Internal Mammary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
03R107Z	Replacement of Left Internal Mammary Artery with Autologous Tissue Substitute, Open Approach
03R10JZ	Replacement of Left Internal Mammary Artery with Synthetic Substitute, Open Approach
03R10KZ	Replacement of Left Internal Mammary Artery with Nonautologous Tissue Substitute, Open Approach

ICD-10-PCS Procedure Code[10]	Description
03R147Z	Replacement of Left Internal Mammary Artery with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
03R14JZ	Replacement of Left Internal Mammary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
03R14KZ	Replacement of Left Internal Mammary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
03R207Z	Replacement of Innominate Artery with Autologous Tissue Substitute, Open Approach
03R20JZ	Replacement of Innominate Artery with Synthetic Substitute, Open Approach
03R20KZ	Replacement of Innominate Artery with Nonautologous Tissue Substitute, Open Approach
03R247Z	Replacement of Innominate Artery with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
03R24JZ	Replacement of Innominate Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
03R24KZ	Replacement of Innominate Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
03R307Z	Replacement of Right Subclavian Artery with Autologous Tissue Substitute, Open Approach
03R30JZ	Replacement of Right Subclavian Artery with Synthetic Substitute, Open Approach
03R30KZ	Replacement of Right Subclavian Artery with Nonautologous Tissue Substitute, Open Approach
03R347Z	Replacement of Right Subclavian Artery with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
03R34JZ	Replacement of Right Subclavian Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
03R34KZ	Replacement of Right Subclavian Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
03R407Z	Replacement of Left Subclavian Artery with Autologous Tissue Substitute, Open Approach
03R40JZ	Replacement of Left Subclavian Artery with Synthetic Substitute, Open Approach
03R40KZ	Replacement of Left Subclavian Artery with Nonautologous Tissue Substitute, Open Approach
03R447Z	Replacement of Left Subclavian Artery with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
03R44JZ	Replacement of Left Subclavian Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
03R44KZ	Replacement of Left Subclavian Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
05R007Z	Replacement of Azygos Vein with Autologous Tissue Substitute, Open Approach
05R00JZ	Replacement of Azygos Vein with Synthetic Substitute, Open Approach
05R00KZ	Replacement of Azygos Vein with Nonautologous Tissue Substitute, Open Approach
05R047Z	Replacement of Azygos Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
05R04JZ	Replacement of Azygos Vein with Synthetic Substitute, Percutaneous Endoscopic Approach
05R04KZ	Replacement of Azygos Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
05R107Z	Replacement of Hemiazygos Vein with Autologous Tissue Substitute, Open Approach
05R10JZ	Replacement of Hemiazygos Vein with Synthetic Substitute, Open Approach
05R10KZ	Replacement of Hemiazygos Vein with Nonautologous Tissue Substitute, Open Approach
05R147Z	Replacement of Hemiazygos Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
05R14JZ	Replacement of Hemiazygos Vein with Synthetic Substitute, Percutaneous Endoscopic Approach
05R14KZ	Replacement of Hemiazygos Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
05R307Z	Replacement of Right Innominate Vein with Autologous Tissue Substitute, Open Approach
05R30JZ	Replacement of Right Innominate Vein with Synthetic Substitute, Open Approach
05R30KZ	Replacement of Right Innominate Vein with Nonautologous Tissue Substitute, Open Approach
05R347Z	Replacement of Right Innominate Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
05R34JZ	Replacement of Right Innominate Vein with Synthetic Substitute, Percutaneous Endoscopic Approach
05R34KZ	Replacement of Right Innominate Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
05R407Z	Replacement of Left Innominate Vein with Autologous Tissue Substitute, Open Approach
05R40JZ	Replacement of Left Innominate Vein with Synthetic Substitute, Open Approach
05R40KZ	Replacement of Left Innominate Vein with Nonautologous Tissue Substitute, Open Approach
05R447Z	Replacement of Left Innominate Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
05R44JZ	Replacement of Left Innominate Vein with Synthetic Substitute, Percutaneous Endoscopic Approach
05R44KZ	Replacement of Left Innominate Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
05R607Z	Replacement of Left Subclavian Vein with Autologous Tissue Substitute, Open Approach
05R60JZ	Replacement of Left Subclavian Vein with Synthetic Substitute, Open Approach
05R60KZ	Replacement of Left Subclavian Vein with Nonautologous Tissue Substitute, Open Approach
05R647Z	Replacement of Left Subclavian Vein with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
05R64JZ	Replacement of Left Subclavian Vein with Synthetic Substitute, Percutaneous Endoscopic Approach
05R64KZ	Replacement of Left Subclavian Vein with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02HP03Z	Insertion of Infusion Device into Pulmonary Trunk, Open Approach
02HP33Z	Insertion of Infusion Device into Pulmonary Trunk, Percutaneous Approach
02HP43Z	Insertion of Infusion Device into Pulmonary Trunk, Percutaneous Endoscopic Approach
02HQ03Z	Insertion of Infusion Device into Right Pulmonary Artery, Open Approach
02HQ33Z	Insertion of Infusion Device into Right Pulmonary Artery, Percutaneous Approach
02HQ43Z	Insertion of Infusion Device into Right Pulmonary Artery, Percutaneous Endoscopic Approach
02HR03Z	Insertion of Infusion Device into Left Pulmonary Artery, Open Approach
02HR33Z	Insertion of Infusion Device into Left Pulmonary Artery, Percutaneous Approach
02HR43Z	Insertion of Infusion Device into Left Pulmonary Artery, Percutaneous Endoscopic Approach
02HW03Z	Insertion of Infusion Device into Thoracic Aorta, Open Approach
02HW33Z	Insertion of Infusion Device into Thoracic Aorta, Percutaneous Approach
02HW43Z	Insertion of Infusion Device into Thoracic Aorta, Percutaneous Endoscopic Approach
03H003Z	Insertion of Infusion Device into Right Internal Mammary Artery, Open Approach
03H033Z	Insertion of Infusion Device into Right Internal Mammary Artery, Percutaneous Approach
03H043Z	Insertion of Infusion Device into Right Internal Mammary Artery, Percutaneous Endoscopic Approach
03H103Z	Insertion of Infusion Device into Left Internal Mammary Artery, Open Approach
03H133Z	Insertion of Infusion Device into Left Internal Mammary Artery, Percutaneous Approach
03H143Z	Insertion of Infusion Device into Left Internal Mammary Artery, Percutaneous Endoscopic Approach
03H203Z	Insertion of Infusion Device into Innominate Artery, Open Approach
03H233Z	Insertion of Infusion Device into Innominate Artery, Percutaneous Approach
03H243Z	Insertion of Infusion Device into Innominate Artery, Percutaneous Endoscopic Approach
03H303Z	Insertion of Infusion Device into Right Subclavian Artery, Open Approach
03H333Z	Insertion of Infusion Device into Right Subclavian Artery, Percutaneous Approach
03H343Z	Insertion of Infusion Device into Right Subclavian Artery, Percutaneous Endoscopic Approach
03H403Z	Insertion of Infusion Device into Left Subclavian Artery, Open Approach
03H433Z	Insertion of Infusion Device into Left Subclavian Artery, Percutaneous Approach
03H443Z	Insertion of Infusion Device into Left Subclavian Artery, Percutaneous Endoscopic Approach
03H503Z	Insertion of Infusion Device into Right Axillary Artery, Open Approach
03H533Z	Insertion of Infusion Device into Right Axillary Artery, Percutaneous Approach

ICD-10-PCS Procedure Code[10]	Description
03H543Z	Insertion of Infusion Device into Right Axillary Artery, Percutaneous Endoscopic Approach
03H603Z	Insertion of Infusion Device into Left Axillary Artery, Open Approach
03H633Z	Insertion of Infusion Device into Left Axillary Artery, Percutaneous Approach
03H643Z	Insertion of Infusion Device into Left Axillary Artery, Percutaneous Endoscopic Approach
03H703Z	Insertion of Infusion Device into Right Brachial Artery, Open Approach
03H733Z	Insertion of Infusion Device into Right Brachial Artery, Percutaneous Approach
03H743Z	Insertion of Infusion Device into Right Brachial Artery, Percutaneous Endoscopic Approach
03H803Z	Insertion of Infusion Device into Left Brachial Artery, Open Approach
03H833Z	Insertion of Infusion Device into Left Brachial Artery, Percutaneous Approach
03H843Z	Insertion of Infusion Device into Left Brachial Artery, Percutaneous Endoscopic Approach
03H903Z	Insertion of Infusion Device into Right Ulnar Artery, Open Approach
03H933Z	Insertion of Infusion Device into Right Ulnar Artery, Percutaneous Approach
03H943Z	Insertion of Infusion Device into Right Ulnar Artery, Percutaneous Endoscopic Approach
03HA03Z	Insertion of Infusion Device into Left Ulnar Artery, Open Approach
03HA33Z	Insertion of Infusion Device into Left Ulnar Artery, Percutaneous Approach
03HA43Z	Insertion of Infusion Device into Left Ulnar Artery, Percutaneous Endoscopic Approach
03HB03Z	Insertion of Infusion Device into Right Radial Artery, Open Approach
03HB33Z	Insertion of Infusion Device into Right Radial Artery, Percutaneous Approach
03HB43Z	Insertion of Infusion Device into Right Radial Artery, Percutaneous Endoscopic Approach
03HC03Z	Insertion of Infusion Device into Left Radial Artery, Open Approach
03HC33Z	Insertion of Infusion Device into Left Radial Artery, Percutaneous Approach
03HC43Z	Insertion of Infusion Device into Left Radial Artery, Percutaneous Endoscopic Approach
03HD03Z	Insertion of Infusion Device into Right Hand Artery, Open Approach
03HD33Z	Insertion of Infusion Device into Right Hand Artery, Percutaneous Approach
03HD43Z	Insertion of Infusion Device into Right Hand Artery, Percutaneous Endoscopic Approach
03HF03Z	Insertion of Infusion Device into Left Hand Artery, Open Approach
03HF33Z	Insertion of Infusion Device into Left Hand Artery, Percutaneous Approach
03HF43Z	Insertion of Infusion Device into Left Hand Artery, Percutaneous Endoscopic Approach
03HG03Z	Insertion of Infusion Device into Intracranial Artery, Open Approach
03HG33Z	Insertion of Infusion Device into Intracranial Artery, Percutaneous Approach
03HG43Z	Insertion of Infusion Device into Intracranial Artery, Percutaneous Endoscopic Approach
03HH03Z	Insertion of Infusion Device into Right Common Carotid Artery, Open Approach
03HH33Z	Insertion of Infusion Device into Right Common Carotid Artery, Percutaneous Approach
03HH43Z	Insertion of Infusion Device into Right Common Carotid Artery, Percutaneous Endoscopic Approach
03HJ03Z	Insertion of Infusion Device into Left Common Carotid Artery, Open Approach
03HJ33Z	Insertion of Infusion Device into Left Common Carotid Artery, Percutaneous Approach
03HJ43Z	Insertion of Infusion Device into Left Common Carotid Artery, Percutaneous Endoscopic Approach
03HK03Z	Insertion of Infusion Device into Right Internal Carotid Artery, Open Approach
03HK33Z	Insertion of Infusion Device into Right Internal Carotid Artery, Percutaneous Approach
03HK43Z	Insertion of Infusion Device into Right Internal Carotid Artery, Percutaneous Endoscopic Approach
03HL03Z	Insertion of Infusion Device into Left Internal Carotid Artery, Open Approach
03HL33Z	Insertion of Infusion Device into Left Internal Carotid Artery, Percutaneous Approach
03HL43Z	Insertion of Infusion Device into Left Internal Carotid Artery, Percutaneous Endoscopic Approach
03HM03Z	Insertion of Infusion Device into Right External Carotid Artery, Open Approach
03HM33Z	Insertion of Infusion Device into Right External Carotid Artery, Percutaneous Approach
03HM43Z	Insertion of Infusion Device into Right External Carotid Artery, Percutaneous Endoscopic Approach
03HN03Z	Insertion of Infusion Device into Left External Carotid Artery, Open Approach

ICD-10-PCS Procedure Code[10]	Description
03HN33Z	Insertion of Infusion Device into Left External Carotid Artery, Percutaneous Approach
03HN43Z	Insertion of Infusion Device into Left External Carotid Artery, Percutaneous Endoscopic Approach
03HP03Z	Insertion of Infusion Device into Right Vertebral Artery, Open Approach
03HP33Z	Insertion of Infusion Device into Right Vertebral Artery, Percutaneous Approach
03HP43Z	Insertion of Infusion Device into Right Vertebral Artery, Percutaneous Endoscopic Approach
03HQ03Z	Insertion of Infusion Device into Left Vertebral Artery, Open Approach
03HQ33Z	Insertion of Infusion Device into Left Vertebral Artery, Percutaneous Approach
03HQ43Z	Insertion of Infusion Device into Left Vertebral Artery, Percutaneous Endoscopic Approach
03HR03Z	Insertion of Infusion Device into Face Artery, Open Approach
03HR33Z	Insertion of Infusion Device into Face Artery, Percutaneous Approach
03HR43Z	Insertion of Infusion Device into Face Artery, Percutaneous Endoscopic Approach
03HS03Z	Insertion of Infusion Device into Right Temporal Artery, Open Approach
03HS33Z	Insertion of Infusion Device into Right Temporal Artery, Percutaneous Approach
03HS43Z	Insertion of Infusion Device into Right Temporal Artery, Percutaneous Endoscopic Approach
03HT03Z	Insertion of Infusion Device into Left Temporal Artery, Open Approach
03HT33Z	Insertion of Infusion Device into Left Temporal Artery, Percutaneous Approach
03HT43Z	Insertion of Infusion Device into Left Temporal Artery, Percutaneous Endoscopic Approach
03HU03Z	Insertion of Infusion Device into Right Thyroid Artery, Open Approach
03HU33Z	Insertion of Infusion Device into Right Thyroid Artery, Percutaneous Approach
03HU43Z	Insertion of Infusion Device into Right Thyroid Artery, Percutaneous Endoscopic Approach
03HV03Z	Insertion of Infusion Device into Left Thyroid Artery, Open Approach
03HV33Z	Insertion of Infusion Device into Left Thyroid Artery, Percutaneous Approach
03HV43Z	Insertion of Infusion Device into Left Thyroid Artery, Percutaneous Endoscopic Approach
03HY03Z	Insertion of Infusion Device into Upper Artery, Open Approach
03HY33Z	Insertion of Infusion Device into Upper Artery, Percutaneous Approach
03HY43Z	Insertion of Infusion Device into Upper Artery, Percutaneous Endoscopic Approach
04H003Z	Insertion of Infusion Device into Abdominal Aorta, Open Approach
04H033Z	Insertion of Infusion Device into Abdominal Aorta, Percutaneous Approach
04H043Z	Insertion of Infusion Device into Abdominal Aorta, Percutaneous Endoscopic Approach
04H103Z	Insertion of Infusion Device into Celiac Artery, Open Approach
04H133Z	Insertion of Infusion Device into Celiac Artery, Percutaneous Approach
04H143Z	Insertion of Infusion Device into Celiac Artery, Percutaneous Endoscopic Approach
04H203Z	Insertion of Infusion Device into Gastric Artery, Open Approach
04H233Z	Insertion of Infusion Device into Gastric Artery, Percutaneous Approach
04H243Z	Insertion of Infusion Device into Gastric Artery, Percutaneous Endoscopic Approach
04H303Z	Insertion of Infusion Device into Hepatic Artery, Open Approach
04H333Z	Insertion of Infusion Device into Hepatic Artery, Percutaneous Approach
04H343Z	Insertion of Infusion Device into Hepatic Artery, Percutaneous Endoscopic Approach
04H403Z	Insertion of Infusion Device into Splenic Artery, Open Approach
04H433Z	Insertion of Infusion Device into Splenic Artery, Percutaneous Approach
04H443Z	Insertion of Infusion Device into Splenic Artery, Percutaneous Endoscopic Approach
04H503Z	Insertion of Infusion Device into Superior Mesenteric Artery, Open Approach
04H533Z	Insertion of Infusion Device into Superior Mesenteric Artery, Percutaneous Approach
04H543Z	Insertion of Infusion Device into Superior Mesenteric Artery, Percutaneous Endoscopic Approach
04H603Z	Insertion of Infusion Device into Right Colic Artery, Open Approach
04H633Z	Insertion of Infusion Device into Right Colic Artery, Percutaneous Approach
04H643Z	Insertion of Infusion Device into Right Colic Artery, Percutaneous Endoscopic Approach
04H703Z	Insertion of Infusion Device into Left Colic Artery, Open Approach

ICD-10-PCS Procedure Code[10]	Description
04H733Z	Insertion of Infusion Device into Left Colic Artery, Percutaneous Approach
04H743Z	Insertion of Infusion Device into Left Colic Artery, Percutaneous Endoscopic Approach
04H803Z	Insertion of Infusion Device into Middle Colic Artery, Open Approach
04H833Z	Insertion of Infusion Device into Middle Colic Artery, Percutaneous Approach
04H843Z	Insertion of Infusion Device into Middle Colic Artery, Percutaneous Endoscopic Approach
04H903Z	Insertion of Infusion Device into Right Renal Artery, Open Approach
04H933Z	Insertion of Infusion Device into Right Renal Artery, Percutaneous Approach
04H943Z	Insertion of Infusion Device into Right Renal Artery, Percutaneous Endoscopic Approach
04HA03Z	Insertion of Infusion Device into Left Renal Artery, Open Approach
04HA33Z	Insertion of Infusion Device into Left Renal Artery, Percutaneous Approach
04HA43Z	Insertion of Infusion Device into Left Renal Artery, Percutaneous Endoscopic Approach
04HB03Z	Insertion of Infusion Device into Inferior Mesenteric Artery, Open Approach
04HB33Z	Insertion of Infusion Device into Inferior Mesenteric Artery, Percutaneous Approach
04HB43Z	Insertion of Infusion Device into Inferior Mesenteric Artery, Percutaneous Endoscopic Approach
04HC03Z	Insertion of Infusion Device into Right Common Iliac Artery, Open Approach
04HC33Z	Insertion of Infusion Device into Right Common Iliac Artery, Percutaneous Approach
04HC43Z	Insertion of Infusion Device into Right Common Iliac Artery, Percutaneous Endoscopic Approach
04HD03Z	Insertion of Infusion Device into Left Common Iliac Artery, Open Approach
04HD33Z	Insertion of Infusion Device into Left Common Iliac Artery, Percutaneous Approach
04HD43Z	Insertion of Infusion Device into Left Common Iliac Artery, Percutaneous Endoscopic Approach
04HE03Z	Insertion of Infusion Device into Right Internal Iliac Artery, Open Approach
04HE33Z	Insertion of Infusion Device into Right Internal Iliac Artery, Percutaneous Approach
04HE43Z	Insertion of Infusion Device into Right Internal Iliac Artery, Percutaneous Endoscopic Approach
04HF03Z	Insertion of Infusion Device into Left Internal Iliac Artery, Open Approach
04HF33Z	Insertion of Infusion Device into Left Internal Iliac Artery, Percutaneous Approach
04HF43Z	Insertion of Infusion Device into Left Internal Iliac Artery, Percutaneous Endoscopic Approach
04HH03Z	Insertion of Infusion Device into Right External Iliac Artery, Open Approach
04HH33Z	Insertion of Infusion Device into Right External Iliac Artery, Percutaneous Approach
04HH43Z	Insertion of Infusion Device into Right External Iliac Artery, Percutaneous Endoscopic Approach
04HJ03Z	Insertion of Infusion Device into Left External Iliac Artery, Open Approach
04HJ33Z	Insertion of Infusion Device into Left External Iliac Artery, Percutaneous Approach
04HJ43Z	Insertion of Infusion Device into Left External Iliac Artery, Percutaneous Endoscopic Approach
04HK03Z	Insertion of Infusion Device into Right Femoral Artery, Open Approach
04HK33Z	Insertion of Infusion Device into Right Femoral Artery, Percutaneous Approach
04HK43Z	Insertion of Infusion Device into Right Femoral Artery, Percutaneous Endoscopic Approach
04HL03Z	Insertion of Infusion Device into Left Femoral Artery, Open Approach
04HL33Z	Insertion of Infusion Device into Left Femoral Artery, Percutaneous Approach
04HL43Z	Insertion of Infusion Device into Left Femoral Artery, Percutaneous Endoscopic Approach
04HM03Z	Insertion of Infusion Device into Right Popliteal Artery, Open Approach
04HM33Z	Insertion of Infusion Device into Right Popliteal Artery, Percutaneous Approach
04HM43Z	Insertion of Infusion Device into Right Popliteal Artery, Percutaneous Endoscopic Approach
04HN03Z	Insertion of Infusion Device into Left Popliteal Artery, Open Approach
04HN33Z	Insertion of Infusion Device into Left Popliteal Artery, Percutaneous Approach
04HN43Z	Insertion of Infusion Device into Left Popliteal Artery, Percutaneous Endoscopic Approach
04HP03Z	Insertion of Infusion Device into Right Anterior Tibial Artery, Open Approach
04HP33Z	Insertion of Infusion Device into Right Anterior Tibial Artery, Percutaneous Approach
04HP43Z	Insertion of Infusion Device into Right Anterior Tibial Artery, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
04HQ03Z	Insertion of Infusion Device into Left Anterior Tibial Artery, Open Approach
04HQ33Z	Insertion of Infusion Device into Left Anterior Tibial Artery, Percutaneous Approach
04HQ43Z	Insertion of Infusion Device into Left Anterior Tibial Artery, Percutaneous Endoscopic Approach
04HR03Z	Insertion of Infusion Device into Right Posterior Tibial Artery, Open Approach
04HR33Z	Insertion of Infusion Device into Right Posterior Tibial Artery, Percutaneous Approach
04HR43Z	Insertion of Infusion Device into Right Posterior Tibial Artery, Percutaneous Endoscopic Approach
04HS03Z	Insertion of Infusion Device into Left Posterior Tibial Artery, Open Approach
04HS33Z	Insertion of Infusion Device into Left Posterior Tibial Artery, Percutaneous Approach
04HS43Z	Insertion of Infusion Device into Left Posterior Tibial Artery, Percutaneous Endoscopic Approach
04HT03Z	Insertion of Infusion Device into Right Peroneal Artery, Open Approach
04HT33Z	Insertion of Infusion Device into Right Peroneal Artery, Percutaneous Approach
04HT43Z	Insertion of Infusion Device into Right Peroneal Artery, Percutaneous Endoscopic Approach
04HU03Z	Insertion of Infusion Device into Left Peroneal Artery, Open Approach
04HU33Z	Insertion of Infusion Device into Left Peroneal Artery, Percutaneous Approach
04HU43Z	Insertion of Infusion Device into Left Peroneal Artery, Percutaneous Endoscopic Approach
04HV03Z	Insertion of Infusion Device into Right Foot Artery, Open Approach
04HV33Z	Insertion of Infusion Device into Right Foot Artery, Percutaneous Approach
04HV43Z	Insertion of Infusion Device into Right Foot Artery, Percutaneous Endoscopic Approach
04HW03Z	Insertion of Infusion Device into Left Foot Artery, Open Approach
04HW33Z	Insertion of Infusion Device into Left Foot Artery, Percutaneous Approach
04HW43Z	Insertion of Infusion Device into Left Foot Artery, Percutaneous Endoscopic Approach
04HY03Z	Insertion of Infusion Device into Lower Artery, Open Approach
04HY33Z	Insertion of Infusion Device into Lower Artery, Percutaneous Approach
04HY43Z	Insertion of Infusion Device into Lower Artery, Percutaneous Endoscopic Approach
02UW3JZ	Supplement Thoracic Aorta with Synthetic Substitute, Percutaneous Approach
02UW4JZ	Supplement Thoracic Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach
02VW0DZ	Restriction of Thoracic Aorta with Intraluminal Device, Open Approach
02VW3DZ	Restriction of Thoracic Aorta with Intraluminal Device, Percutaneous Approach
02VW4DZ	Restriction of Thoracic Aorta with Intraluminal Device, Percutaneous Endoscopic Approach
B240YZZ	Ultrasonography of Single Coronary Artery using Other Contrast
B240ZZ4	Ultrasonography of Single Coronary Artery, Transesophageal
B240ZZZ	Ultrasonography of Single Coronary Artery
B241YZZ	Ultrasonography of Multiple Coronary Arteries using Other Contrast
B241ZZ4	Ultrasonography of Multiple Coronary Arteries, Transesophageal
B241ZZZ	Ultrasonography of Multiple Coronary Arteries
B244YZZ	Ultrasonography of Right Heart using Other Contrast
B244ZZ4	Ultrasonography of Right Heart, Transesophageal
B244ZZZ	Ultrasonography of Right Heart
B245YZZ	Ultrasonography of Left Heart using Other Contrast
B245ZZ4	Ultrasonography of Left Heart, Transesophageal
B245ZZZ	Ultrasonography of Left Heart
B246YZZ	Ultrasonography of Right and Left Heart using Other Contrast
B246ZZ4	Ultrasonography of Right and Left Heart, Transesophageal
B246ZZZ	Ultrasonography of Right and Left Heart
B24BYZZ	Ultrasonography of Heart with Aorta using Other Contrast
B24BZZ4	Ultrasonography of Heart with Aorta, Transesophageal
B24BZZZ	Ultrasonography of Heart with Aorta
B24CYZZ	Ultrasonography of Pericardium using Other Contrast

ICD-10-PCS Procedure Code[10]	Description
B24CZZ4	Ultrasonography of Pericardium, Transesophageal
B24CZZZ	Ultrasonography of Pericardium
B24DYZZ	Ultrasonography of Pediatric Heart using Other Contrast
B24DZZ4	Ultrasonography of Pediatric Heart, Transesophageal
B24DZZZ	Ultrasonography of Pediatric Heart
CABG Procedures	
0210093	Bypass Coronary Artery, One Site from Coronary Artery with Autologous Venous Tissue, Open Approach
0210493	Bypass Coronary Artery, One Site from Coronary Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02100A3	Bypass Coronary Artery, One Site from Coronary Artery with Autologous Arterial Tissue, Open Approach
02100J3	Bypass Coronary Artery, One Site from Coronary Artery with Synthetic Substitute, Open Approach
02100K3	Bypass Coronary Artery, One Site from Coronary Artery with Nonautologous Tissue Substitute, Open Approach
02100Z3	Bypass Coronary Artery, One Site from Coronary Artery, Open Approach
02104A3	Bypass Coronary Artery, One Site from Coronary Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02104J3	Bypass Coronary Artery, One Site from Coronary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02104K3	Bypass Coronary Artery, One Site from Coronary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02104Z3	Bypass Coronary Artery, One Site from Coronary Artery, Percutaneous Endoscopic Approach
021009W	Bypass Coronary Artery, One Site from Aorta with Autologous Venous Tissue, Open Approach
02100AW	Bypass Coronary Artery, One Site from Aorta with Autologous Arterial Tissue, Open Approach
02100JW	Bypass Coronary Artery, One Site from Aorta with Synthetic Substitute, Open Approach
02100KW	Bypass Coronary Artery, One Site from Aorta with Nonautologous Tissue Substitute, Open Approach
021049W	Bypass Coronary Artery, One Site from Aorta with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02104AW	Bypass Coronary Artery, One Site from Aorta with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02104JW	Bypass Coronary Artery, One Site from Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach
02104KW	Bypass Coronary Artery, One Site from Aorta with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
021109W	Bypass Coronary Artery, Two Sites from Aorta with Autologous Venous Tissue, Open Approach
02110AW	Bypass Coronary Artery, Two Sites from Aorta with Autologous Arterial Tissue, Open Approach
02110JW	Bypass Coronary Artery, Two Sites from Aorta with Synthetic Substitute, Open Approach
02110KW	Bypass Coronary Artery, Two Sites from Aorta with Nonautologous Tissue Substitute, Open Approach
021149W	Bypass Coronary Artery, Two Sites from Aorta with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02114AW	Bypass Coronary Artery, Two Sites from Aorta with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02114JW	Bypass Coronary Artery, Two Sites from Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach
02114KW	Bypass Coronary Artery, Two Sites from Aorta with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
021209W	Bypass Coronary Artery, Three Sites from Aorta with Autologous Venous Tissue, Open Approach
02120AW	Bypass Coronary Artery, Three Sites from Aorta with Autologous Arterial Tissue, Open Approach
02120JW	Bypass Coronary Artery, Three Sites from Aorta with Synthetic Substitute, Open Approach
02120KW	Bypass Coronary Artery, Three Sites from Aorta with Nonautologous Tissue Substitute, Open Approach

ICD-10-PCS Procedure Code[10]	Description
021249W	Bypass Coronary Artery, Three Sites from Aorta with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02124AW	Bypass Coronary Artery, Three Sites from Aorta with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02124JW	Bypass Coronary Artery, Three Sites from Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach
02124KW	Bypass Coronary Artery, Three Sites from Aorta with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
021309W	Bypass Coronary Artery, Four or More Sites from Aorta with Autologous Venous Tissue, Open Approach
02130AW	Bypass Coronary Artery, Four or More Sites from Aorta with Autologous Arterial Tissue, Open Approach
02130JW	Bypass Coronary Artery, Four or More Sites from Aorta with Synthetic Substitute, Open Approach
02130KW	Bypass Coronary Artery, Four or More Sites from Aorta with Nonautologous Tissue Substitute, Open Approach
021349W	Bypass Coronary Artery, Four or More Sites from Aorta with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02134AW	Bypass Coronary Artery, Four or More Sites from Aorta with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02134JW	Bypass Coronary Artery, Four or More Sites from Aorta with Synthetic Substitute, Percutaneous Endoscopic Approach
02134KW	Bypass Coronary Artery, Four or More Sites from Aorta with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
0210098	Bypass Coronary Artery, One Site from Right Internal Mammary with Autologous Venous Tissue, Open Approach
0210099	Bypass Coronary Artery, One Site from Left Internal Mammary with Autologous Venous Tissue, Open Approach
0210498	Bypass Coronary Artery, One Site from Right Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach
0210499	Bypass Coronary Artery, One Site from Left Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach
021009C	Bypass Coronary Artery, One Site from Thoracic Artery with Autologous Venous Tissue, Open Approach
02100A8	Bypass Coronary Artery, One Site from Right Internal Mammary with Autologous Arterial Tissue, Open Approach
02100A9	Bypass Coronary Artery, One Site from Left Internal Mammary with Autologous Arterial Tissue, Open Approach
02100AC	Bypass Coronary Artery, One Site from Thoracic Artery with Autologous Arterial Tissue, Open Approach
02100J8	Bypass Coronary Artery, One Site from Right Internal Mammary with Synthetic Substitute, Open Approach
02100J9	Bypass Coronary Artery, One Site from Left Internal Mammary with Synthetic Substitute, Open Approach
02100JC	Bypass Coronary Artery, One Site from Thoracic Artery with Synthetic Substitute, Open Approach
02100K8	Bypass Coronary Artery, One Site from Right Internal Mammary with Nonautologous Tissue Substitute, Open Approach
02100K9	Bypass Coronary Artery, One Site from Left Internal Mammary with Nonautologous Tissue Substitute, Open Approach
02100KC	Bypass Coronary Artery, One Site from Thoracic Artery with Nonautologous Tissue Substitute, Open Approach
02100Z8	Bypass Coronary Artery, One Site from Right Internal Mammary, Open Approach
02100Z9	Bypass Coronary Artery, One Site from Left Internal Mammary, Open Approach
02100ZC	Bypass Coronary Artery, One Site from Thoracic Artery, Open Approach
021049C	Bypass Coronary Artery, One Site from Thoracic Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
02104A8	Bypass Coronary Artery, One Site from Right Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02104A9	Bypass Coronary Artery, One Site from Left Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02104AC	Bypass Coronary Artery, One Site from Thoracic Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02104J8	Bypass Coronary Artery, One Site from Right Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach
02104J9	Bypass Coronary Artery, One Site from Left Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach
02104JC	Bypass Coronary Artery, One Site from Thoracic Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02104K8	Bypass Coronary Artery, One Site from Right Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02104K9	Bypass Coronary Artery, One Site from Left Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02104KC	Bypass Coronary Artery, One Site from Thoracic Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02104Z8	Bypass Coronary Artery, One Site from Right Internal Mammary, Percutaneous Endoscopic Approach
02104Z9	Bypass Coronary Artery, One Site from Left Internal Mammary, Percutaneous Endoscopic Approach
02104ZC	Bypass Coronary Artery, One Site from Thoracic Artery, Percutaneous Endoscopic Approach
0211098	Bypass Coronary Artery, Two Sites from Right Internal Mammary with Autologous Venous Tissue, Open Approach
0211099	Bypass Coronary Artery, Two Sites from Left Internal Mammary with Autologous Venous Tissue, Open Approach
0211498	Bypass Coronary Artery, Two Sites from Right Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach
0211499	Bypass Coronary Artery, Two Sites from Left Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach
0212098	Bypass Coronary Artery, Three Sites from Right Internal Mammary with Autologous Venous Tissue, Open Approach
0212099	Bypass Coronary Artery, Three Sites from Left Internal Mammary with Autologous Venous Tissue, Open Approach
0212498	Bypass Coronary Artery, Three Sites from Right Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach
0212499	Bypass Coronary Artery, Three Sites from Left Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach
0213098	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary with Autologous Venous Tissue, Open Approach
0213099	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary with Autologous Venous Tissue, Open Approach
0213498	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach
0213499	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary with Autologous Venous Tissue, Percutaneous Endoscopic Approach
021109C	Bypass Coronary Artery, Two Sites from Thoracic Artery with Autologous Venous Tissue, Open Approach
02110A8	Bypass Coronary Artery, Two Sites from Right Internal Mammary with Autologous Arterial Tissue, Open Approach
02110A9	Bypass Coronary Artery, Two Sites from Left Internal Mammary with Autologous Arterial Tissue, Open Approach

ICD-10-PCS Procedure Code[10]	Description
02110AC	Bypass Coronary Artery, Two Sites from Thoracic Artery with Autologous Arterial Tissue, Open Approach
02110J8	Bypass Coronary Artery, Two Sites from Right Internal Mammary with Synthetic Substitute, Open Approach
02110J9	Bypass Coronary Artery, Two Sites from Left Internal Mammary with Synthetic Substitute, Open Approach
02110JC	Bypass Coronary Artery, Two Sites from Thoracic Artery with Synthetic Substitute, Open Approach
02110K8	Bypass Coronary Artery, Two Sites from Right Internal Mammary with Nonautologous Tissue Substitute, Open Approach
02110K9	Bypass Coronary Artery, Two Sites from Left Internal Mammary with Nonautologous Tissue Substitute, Open Approach
02110KC	Bypass Coronary Artery, Two Sites from Thoracic Artery with Nonautologous Tissue Substitute, Open Approach
02110Z8	Bypass Coronary Artery, Two Sites from Right Internal Mammary, Open Approach
02110Z9	Bypass Coronary Artery, Two Sites from Left Internal Mammary, Open Approach
02110ZC	Bypass Coronary Artery, Two Sites from Thoracic Artery, Open Approach
021149C	Bypass Coronary Artery, Two Sites from Thoracic Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02114A8	Bypass Coronary Artery, Two Sites from Right Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02114A9	Bypass Coronary Artery, Two Sites from Left Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02114AC	Bypass Coronary Artery, Two Sites from Thoracic Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02114J8	Bypass Coronary Artery, Two Sites from Right Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach
02114J9	Bypass Coronary Artery, Two Sites from Left Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach
02114JC	Bypass Coronary Artery, Two Sites from Thoracic Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02114K8	Bypass Coronary Artery, Two Sites from Right Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02114K9	Bypass Coronary Artery, Two Sites from Left Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02114KC	Bypass Coronary Artery, Two Sites from Thoracic Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02114Z8	Bypass Coronary Artery, Two Sites from Right Internal Mammary, Percutaneous Endoscopic Approach
02114Z9	Bypass Coronary Artery, Two Sites from Left Internal Mammary, Percutaneous Endoscopic Approach
02114ZC	Bypass Coronary Artery, Two Sites from Thoracic Artery, Percutaneous Endoscopic Approach
021209C	Bypass Coronary Artery, Three Sites from Thoracic Artery with Autologous Venous Tissue, Open Approach
02120A8	Bypass Coronary Artery, Three Sites from Right Internal Mammary with Autologous Arterial Tissue, Open Approach
02120A9	Bypass Coronary Artery, Three Sites from Left Internal Mammary with Autologous Arterial Tissue, Open Approach
02120AC	Bypass Coronary Artery, Three Sites from Thoracic Artery with Autologous Arterial Tissue, Open Approach
02120J8	Bypass Coronary Artery, Three Sites from Right Internal Mammary with Synthetic Substitute, Open Approach
02120J9	Bypass Coronary Artery, Three Sites from Left Internal Mammary with Synthetic Substitute, Open Approach

ICD-10-PCS Procedure Code[10]	Description
02120JC	Bypass Coronary Artery, Three Sites from Thoracic Artery with Synthetic Substitute, Open Approach
02120K8	Bypass Coronary Artery, Three Sites from Right Internal Mammary with Nonautologous Tissue Substitute, Open Approach
02120K9	Bypass Coronary Artery, Three Sites from Left Internal Mammary with Nonautologous Tissue Substitute, Open Approach
02120KC	Bypass Coronary Artery, Three Sites from Thoracic Artery with Nonautologous Tissue Substitute, Open Approach
02120Z8	Bypass Coronary Artery, Three Sites from Right Internal Mammary, Open Approach
02120Z9	Bypass Coronary Artery, Three Sites from Left Internal Mammary, Open Approach
02120ZC	Bypass Coronary Artery, Three Sites from Thoracic Artery, Open Approach
021249C	Bypass Coronary Artery, Three Sites from Thoracic Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02124A8	Bypass Coronary Artery, Three Sites from Right Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02124A9	Bypass Coronary Artery, Three Sites from Left Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02124AC	Bypass Coronary Artery, Three Sites from Thoracic Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02124J8	Bypass Coronary Artery, Three Sites from Right Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach
02124J9	Bypass Coronary Artery, Three Sites from Left Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach
02124JC	Bypass Coronary Artery, Three Sites from Thoracic Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02124K8	Bypass Coronary Artery, Three Sites from Right Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02124K9	Bypass Coronary Artery, Three Sites from Left Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02124KC	Bypass Coronary Artery, Three Sites from Thoracic Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02124Z8	Bypass Coronary Artery, Three Sites from Right Internal Mammary, Percutaneous Endoscopic Approach
02124Z9	Bypass Coronary Artery, Three Sites from Left Internal Mammary, Percutaneous Endoscopic Approach
02124ZC	Bypass Coronary Artery, Three Sites from Thoracic Artery, Percutaneous Endoscopic Approach
021309C	Bypass Coronary Artery, Four or More Sites from Thoracic Artery with Autologous Venous Tissue, Open Approach
02130A8	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary with Autologous Arterial Tissue, Open Approach
02130A9	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary with Autologous Arterial Tissue, Open Approach
02130AC	Bypass Coronary Artery, Four or More Sites from Thoracic Artery with Autologous Arterial Tissue, Open Approach
02130J8	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary with Synthetic Substitute, Open Approach
02130J9	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary with Synthetic Substitute, Open Approach
02130JC	Bypass Coronary Artery, Four or More Sites from Thoracic Artery with Synthetic Substitute, Open Approach
02130K8	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary with Nonautologous Tissue Substitute, Open Approach

ICD-10-PCS Procedure Code[10]	Description
02130K9	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary with Nonautologous Tissue Substitute, Open Approach
02130KC	Bypass Coronary Artery, Four or More Sites from Thoracic Artery with Nonautologous Tissue Substitute, Open Approach
02130Z8	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary, Open Approach
02130Z9	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary, Open Approach
02130ZC	Bypass Coronary Artery, Four or More Sites from Thoracic Artery, Open Approach
021349C	Bypass Coronary Artery, Four or More Sites from Thoracic Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02134A8	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02134A9	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02134AC	Bypass Coronary Artery, Four or More Sites from Thoracic Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02134J8	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach
02134J9	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary with Synthetic Substitute, Percutaneous Endoscopic Approach
02134JC	Bypass Coronary Artery, Four or More Sites from Thoracic Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02134K8	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02134K9	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02134KC	Bypass Coronary Artery, Four or More Sites from Thoracic Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02134Z8	Bypass Coronary Artery, Four or More Sites from Right Internal Mammary, Percutaneous Endoscopic Approach
02134Z9	Bypass Coronary Artery, Four or More Sites from Left Internal Mammary, Percutaneous Endoscopic Approach
02134ZC	Bypass Coronary Artery, Four or More Sites from Thoracic Artery, Percutaneous Endoscopic Approach
021009F	Bypass Coronary Artery, One Site from Abdominal Artery with Autologous Venous Tissue, Open Approach
02100AF	Bypass Coronary Artery, One Site from Abdominal Artery with Autologous Arterial Tissue, Open Approach
02100JF	Bypass Coronary Artery, One Site from Abdominal Artery with Synthetic Substitute, Open Approach
02100KF	Bypass Coronary Artery, One Site from Abdominal Artery with Nonautologous Tissue Substitute, Open Approach
02100ZF	Bypass Coronary Artery, One Site from Abdominal Artery, Open Approach
021049F	Bypass Coronary Artery, One Site from Abdominal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02104AF	Bypass Coronary Artery, One Site from Abdominal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02104JF	Bypass Coronary Artery, One Site from Abdominal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02104KF	Bypass Coronary Artery, One Site from Abdominal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02104ZF	Bypass Coronary Artery, One Site from Abdominal Artery, Percutaneous Endoscopic Approach
021109F	Bypass Coronary Artery, Two Sites from Abdominal Artery with Autologous Venous Tissue, Open Approach

ICD-10-PCS Procedure Code[10]	Description
02110AF	Bypass Coronary Artery, Two Sites from Abdominal Artery with Autologous Arterial Tissue, Open Approach
02110JF	Bypass Coronary Artery, Two Sites from Abdominal Artery with Synthetic Substitute, Open Approach
02110KF	Bypass Coronary Artery, Two Sites from Abdominal Artery with Nonautologous Tissue Substitute, Open Approach
02110ZF	Bypass Coronary Artery, Two Sites from Abdominal Artery, Open Approach
021149F	Bypass Coronary Artery, Two Sites from Abdominal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02114AF	Bypass Coronary Artery, Two Sites from Abdominal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02114JF	Bypass Coronary Artery, Two Sites from Abdominal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02114KF	Bypass Coronary Artery, Two Sites from Abdominal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02114ZF	Bypass Coronary Artery, Two Sites from Abdominal Artery, Percutaneous Endoscopic Approach
021209F	Bypass Coronary Artery, Three Sites from Abdominal Artery with Autologous Venous Tissue, Open Approach
02120AF	Bypass Coronary Artery, Three Sites from Abdominal Artery with Autologous Arterial Tissue, Open Approach
02120JF	Bypass Coronary Artery, Three Sites from Abdominal Artery with Synthetic Substitute, Open Approach
02120KF	Bypass Coronary Artery, Three Sites from Abdominal Artery with Nonautologous Tissue Substitute, Open Approach
02120ZF	Bypass Coronary Artery, Three Sites from Abdominal Artery, Open Approach
021249F	Bypass Coronary Artery, Three Sites from Abdominal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02124AF	Bypass Coronary Artery, Three Sites from Abdominal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02124JF	Bypass Coronary Artery, Three Sites from Abdominal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02124KF	Bypass Coronary Artery, Three Sites from Abdominal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02124ZF	Bypass Coronary Artery, Three Sites from Abdominal Artery, Percutaneous Endoscopic Approach
021309F	Bypass Coronary Artery, Four or More Sites from Abdominal Artery with Autologous Venous Tissue, Open Approach
02130AF	Bypass Coronary Artery, Four or More Sites from Abdominal Artery with Autologous Arterial Tissue, Open Approach
02130JF	Bypass Coronary Artery, Four or More Sites from Abdominal Artery with Synthetic Substitute, Open Approach
02130KF	Bypass Coronary Artery, Four or More Sites from Abdominal Artery with Nonautologous Tissue Substitute, Open Approach
02130ZF	Bypass Coronary Artery, Four or More Sites from Abdominal Artery, Open Approach
021349F	Bypass Coronary Artery, Four or More Sites from Abdominal Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02134AF	Bypass Coronary Artery, Four or More Sites from Abdominal Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02134JF	Bypass Coronary Artery, Four or More Sites from Abdominal Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02134KF	Bypass Coronary Artery, Four or More Sites from Abdominal Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02134ZF	Bypass Coronary Artery, Four or More Sites from Abdominal Artery, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
0210093	Bypass Coronary Artery, One Site from Coronary Artery with Autologous Venous Tissue, Open Approach
0210493	Bypass Coronary Artery, One Site from Coronary Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
0211093	Bypass Coronary Artery, Two Sites from Coronary Artery with Autologous Venous Tissue, Open Approach
0211493	Bypass Coronary Artery, Two Sites from Coronary Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
0212093	Bypass Coronary Artery, Three Sites from Coronary Artery with Autologous Venous Tissue, Open Approach
0213493	Bypass Coronary Artery, Four or More Sites from Coronary Artery with Autologous Venous Tissue, Percutaneous Endoscopic Approach
02100A3	Bypass Coronary Artery, One Site from Coronary Artery with Autologous Arterial Tissue, Open Approach
02100J3	Bypass Coronary Artery, One Site from Coronary Artery with Synthetic Substitute, Open Approach
02100K3	Bypass Coronary Artery, One Site from Coronary Artery with Nonautologous Tissue Substitute, Open Approach
02100Z3	Bypass Coronary Artery, One Site from Coronary Artery, Open Approach
02104A3	Bypass Coronary Artery, One Site from Coronary Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02104J3	Bypass Coronary Artery, One Site from Coronary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02104K3	Bypass Coronary Artery, One Site from Coronary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02104Z3	Bypass Coronary Artery, One Site from Coronary Artery, Percutaneous Endoscopic Approach
02110A3	Bypass Coronary Artery, Two Sites from Coronary Artery with Autologous Arterial Tissue, Open Approach
02110J3	Bypass Coronary Artery, Two Sites from Coronary Artery with Synthetic Substitute, Open Approach
02110K3	Bypass Coronary Artery, Two Sites from Coronary Artery with Nonautologous Tissue Substitute, Open Approach
02110Z3	Bypass Coronary Artery, Two Sites from Coronary Artery, Open Approach
02114A3	Bypass Coronary Artery, Two Sites from Coronary Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02114J3	Bypass Coronary Artery, Two Sites from Coronary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02114K3	Bypass Coronary Artery, Two Sites from Coronary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02114Z3	Bypass Coronary Artery, Two Sites from Coronary Artery, Percutaneous Endoscopic Approach
02120A3	Bypass Coronary Artery, Three Sites from Coronary Artery with Autologous Arterial Tissue, Open Approach
02120J3	Bypass Coronary Artery, Three Sites from Coronary Artery with Synthetic Substitute, Open Approach
02120K3	Bypass Coronary Artery, Three Sites from Coronary Artery with Nonautologous Tissue Substitute, Open Approach
02120Z3	Bypass Coronary Artery, Three Sites from Coronary Artery, Open Approach
02124A3	Bypass Coronary Artery, Three Sites from Coronary Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02124J3	Bypass Coronary Artery, Three Sites from Coronary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02124K3	Bypass Coronary Artery, Three Sites from Coronary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02124Z3	Bypass Coronary Artery, Three Sites from Coronary Artery, Percutaneous Endoscopic Approach
02130A3	Bypass Coronary Artery, Four or More Sites from Coronary Artery with Autologous Arterial Tissue, Open Approach

ICD-10-PCS Procedure Code[10]	Description
02130J3	Bypass Coronary Artery, Four or More Sites from Coronary Artery with Synthetic Substitute, Open Approach
02130K3	Bypass Coronary Artery, Four or More Sites from Coronary Artery with Nonautologous Tissue Substitute, Open Approach
02130Z3	Bypass Coronary Artery, Four or More Sites from Coronary Artery, Open Approach
02134A3	Bypass Coronary Artery, Four or More Sites from Coronary Artery with Autologous Arterial Tissue, Percutaneous Endoscopic Approach
02134J3	Bypass Coronary Artery, Four or More Sites from Coronary Artery with Synthetic Substitute, Percutaneous Endoscopic Approach
02134K3	Bypass Coronary Artery, Four or More Sites from Coronary Artery with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02134Z3	Bypass Coronary Artery, Four or More Sites from Coronary Artery, Percutaneous Endoscopic Approach
02HP03Z	Insertion of Infusion Device into Pulmonary Trunk, Open Approach
02HP33Z	Insertion of Infusion Device into Pulmonary Trunk, Percutaneous Approach
02HP43Z	Insertion of Infusion Device into Pulmonary Trunk, Percutaneous Endoscopic Approach
02HQ03Z	Insertion of Infusion Device into Right Pulmonary Artery, Open Approach
02HQ33Z	Insertion of Infusion Device into Right Pulmonary Artery, Percutaneous Approach
02HQ43Z	Insertion of Infusion Device into Right Pulmonary Artery, Percutaneous Endoscopic Approach
02HR03Z	Insertion of Infusion Device into Left Pulmonary Artery, Open Approach
02HR33Z	Insertion of Infusion Device into Left Pulmonary Artery, Percutaneous Approach
02HR43Z	Insertion of Infusion Device into Left Pulmonary Artery, Percutaneous Endoscopic Approach
02HW03Z	Insertion of Infusion Device into Thoracic Aorta, Open Approach
02HW33Z	Insertion of Infusion Device into Thoracic Aorta, Percutaneous Approach
02HW43Z	Insertion of Infusion Device into Thoracic Aorta, Percutaneous Endoscopic Approach
03H003Z	Insertion of Infusion Device into Right Internal Mammary Artery, Open Approach
03H033Z	Insertion of Infusion Device into Right Internal Mammary Artery, Percutaneous Approach
03H043Z	Insertion of Infusion Device into Right Internal Mammary Artery, Percutaneous Endoscopic Approach
03H103Z	Insertion of Infusion Device into Left Internal Mammary Artery, Open Approach
03H133Z	Insertion of Infusion Device into Left Internal Mammary Artery, Percutaneous Approach
03H143Z	Insertion of Infusion Device into Left Internal Mammary Artery, Percutaneous Endoscopic Approach
03H203Z	Insertion of Infusion Device into Innominate Artery, Open Approach
03H233Z	Insertion of Infusion Device into Innominate Artery, Percutaneous Approach
03H243Z	Insertion of Infusion Device into Innominate Artery, Percutaneous Endoscopic Approach
03H303Z	Insertion of Infusion Device into Right Subclavian Artery, Open Approach
03H333Z	Insertion of Infusion Device into Right Subclavian Artery, Percutaneous Approach
03H343Z	Insertion of Infusion Device into Right Subclavian Artery, Percutaneous Endoscopic Approach
03H403Z	Insertion of Infusion Device into Left Subclavian Artery, Open Approach
03H433Z	Insertion of Infusion Device into Left Subclavian Artery, Percutaneous Approach
03H443Z	Insertion of Infusion Device into Left Subclavian Artery, Percutaneous Endoscopic Approach
03H503Z	Insertion of Infusion Device into Right Axillary Artery, Open Approach
03H533Z	Insertion of Infusion Device into Right Axillary Artery, Percutaneous Approach
03H543Z	Insertion of Infusion Device into Right Axillary Artery, Percutaneous Endoscopic Approach
03H603Z	Insertion of Infusion Device into Left Axillary Artery, Open Approach
03H633Z	Insertion of Infusion Device into Left Axillary Artery, Percutaneous Approach
03H643Z	Insertion of Infusion Device into Left Axillary Artery, Percutaneous Endoscopic Approach
03H703Z	Insertion of Infusion Device into Right Brachial Artery, Open Approach
03H733Z	Insertion of Infusion Device into Right Brachial Artery, Percutaneous Approach
03H743Z	Insertion of Infusion Device into Right Brachial Artery, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
03H803Z	Insertion of Infusion Device into Left Brachial Artery, Open Approach
03H833Z	Insertion of Infusion Device into Left Brachial Artery, Percutaneous Approach
03H843Z	Insertion of Infusion Device into Left Brachial Artery, Percutaneous Endoscopic Approach
03H903Z	Insertion of Infusion Device into Right Ulnar Artery, Open Approach
03H933Z	Insertion of Infusion Device into Right Ulnar Artery, Percutaneous Approach
03H943Z	Insertion of Infusion Device into Right Ulnar Artery, Percutaneous Endoscopic Approach
03HA03Z	Insertion of Infusion Device into Left Ulnar Artery, Open Approach
03HA33Z	Insertion of Infusion Device into Left Ulnar Artery, Percutaneous Approach
03HA43Z	Insertion of Infusion Device into Left Ulnar Artery, Percutaneous Endoscopic Approach
03HB03Z	Insertion of Infusion Device into Right Radial Artery, Open Approach
03HB33Z	Insertion of Infusion Device into Right Radial Artery, Percutaneous Approach
03HB43Z	Insertion of Infusion Device into Right Radial Artery, Percutaneous Endoscopic Approach
03HC03Z	Insertion of Infusion Device into Left Radial Artery, Open Approach
03HC33Z	Insertion of Infusion Device into Left Radial Artery, Percutaneous Approach
03HC43Z	Insertion of Infusion Device into Left Radial Artery, Percutaneous Endoscopic Approach
03HD03Z	Insertion of Infusion Device into Right Hand Artery, Open Approach
03HD33Z	Insertion of Infusion Device into Right Hand Artery, Percutaneous Approach
03HD43Z	Insertion of Infusion Device into Right Hand Artery, Percutaneous Endoscopic Approach
03HF03Z	Insertion of Infusion Device into Left Hand Artery, Open Approach
03HF33Z	Insertion of Infusion Device into Left Hand Artery, Percutaneous Approach
03HF43Z	Insertion of Infusion Device into Left Hand Artery, Percutaneous Endoscopic Approach
03HG03Z	Insertion of Infusion Device into Intracranial Artery, Open Approach
03HG33Z	Insertion of Infusion Device into Intracranial Artery, Percutaneous Approach
03HG43Z	Insertion of Infusion Device into Intracranial Artery, Percutaneous Endoscopic Approach
03HH03Z	Insertion of Infusion Device into Right Common Carotid Artery, Open Approach
03HH33Z	Insertion of Infusion Device into Right Common Carotid Artery, Percutaneous Approach
03HH43Z	Insertion of Infusion Device into Right Common Carotid Artery, Percutaneous Endoscopic Approach
03HJ03Z	Insertion of Infusion Device into Left Common Carotid Artery, Open Approach
03HJ33Z	Insertion of Infusion Device into Left Common Carotid Artery, Percutaneous Approach
03HJ43Z	Insertion of Infusion Device into Left Common Carotid Artery, Percutaneous Endoscopic Approach
03HK03Z	Insertion of Infusion Device into Right Internal Carotid Artery, Open Approach
03HK33Z	Insertion of Infusion Device into Right Internal Carotid Artery, Percutaneous Approach
03HK43Z	Insertion of Infusion Device into Right Internal Carotid Artery, Percutaneous Endoscopic Approach
03HL03Z	Insertion of Infusion Device into Left Internal Carotid Artery, Open Approach
03HL33Z	Insertion of Infusion Device into Left Internal Carotid Artery, Percutaneous Approach
03HL43Z	Insertion of Infusion Device into Left Internal Carotid Artery, Percutaneous Endoscopic Approach
03HM03Z	Insertion of Infusion Device into Right External Carotid Artery, Open Approach
03HM33Z	Insertion of Infusion Device into Right External Carotid Artery, Percutaneous Approach
03HM43Z	Insertion of Infusion Device into Right External Carotid Artery, Percutaneous Endoscopic Approach
03HN03Z	Insertion of Infusion Device into Left External Carotid Artery, Open Approach
03HN33Z	Insertion of Infusion Device into Left External Carotid Artery, Percutaneous Approach
03HN43Z	Insertion of Infusion Device into Left External Carotid Artery, Percutaneous Endoscopic Approach
03HP03Z	Insertion of Infusion Device into Right Vertebral Artery, Open Approach
03HP33Z	Insertion of Infusion Device into Right Vertebral Artery, Percutaneous Approach
03HP43Z	Insertion of Infusion Device into Right Vertebral Artery, Percutaneous Endoscopic Approach
03HQ03Z	Insertion of Infusion Device into Left Vertebral Artery, Open Approach
03HQ33Z	Insertion of Infusion Device into Left Vertebral Artery, Percutaneous Approach
03HQ43Z	Insertion of Infusion Device into Left Vertebral Artery, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
03HR03Z	Insertion of Infusion Device into Face Artery, Open Approach
03HR33Z	Insertion of Infusion Device into Face Artery, Percutaneous Approach
03HR43Z	Insertion of Infusion Device into Face Artery, Percutaneous Endoscopic Approach
03HS03Z	Insertion of Infusion Device into Right Temporal Artery, Open Approach
03HS33Z	Insertion of Infusion Device into Right Temporal Artery, Percutaneous Approach
03HS43Z	Insertion of Infusion Device into Right Temporal Artery, Percutaneous Endoscopic Approach
03HT03Z	Insertion of Infusion Device into Left Temporal Artery, Open Approach
03HT33Z	Insertion of Infusion Device into Left Temporal Artery, Percutaneous Approach
03HT43Z	Insertion of Infusion Device into Left Temporal Artery, Percutaneous Endoscopic Approach
03HU03Z	Insertion of Infusion Device into Right Thyroid Artery, Open Approach
03HU33Z	Insertion of Infusion Device into Right Thyroid Artery, Percutaneous Approach
03HU43Z	Insertion of Infusion Device into Right Thyroid Artery, Percutaneous Endoscopic Approach
03HV03Z	Insertion of Infusion Device into Left Thyroid Artery, Open Approach
03HV33Z	Insertion of Infusion Device into Left Thyroid Artery, Percutaneous Approach
03HV43Z	Insertion of Infusion Device into Left Thyroid Artery, Percutaneous Endoscopic Approach
03HY03Z	Insertion of Infusion Device into Upper Artery, Open Approach
03HY33Z	Insertion of Infusion Device into Upper Artery, Percutaneous Approach
03HY43Z	Insertion of Infusion Device into Upper Artery, Percutaneous Endoscopic Approach
04H003Z	Insertion of Infusion Device into Abdominal Aorta, Open Approach
04H033Z	Insertion of Infusion Device into Abdominal Aorta, Percutaneous Approach
04H043Z	Insertion of Infusion Device into Abdominal Aorta, Percutaneous Endoscopic Approach
04H103Z	Insertion of Infusion Device into Celiac Artery, Open Approach
04H133Z	Insertion of Infusion Device into Celiac Artery, Percutaneous Approach
04H143Z	Insertion of Infusion Device into Celiac Artery, Percutaneous Endoscopic Approach
04H203Z	Insertion of Infusion Device into Gastric Artery, Open Approach
04H233Z	Insertion of Infusion Device into Gastric Artery, Percutaneous Approach
04H243Z	Insertion of Infusion Device into Gastric Artery, Percutaneous Endoscopic Approach
04H303Z	Insertion of Infusion Device into Hepatic Artery, Open Approach
04H333Z	Insertion of Infusion Device into Hepatic Artery, Percutaneous Approach
04H343Z	Insertion of Infusion Device into Hepatic Artery, Percutaneous Endoscopic Approach
04H403Z	Insertion of Infusion Device into Splenic Artery, Open Approach
04H433Z	Insertion of Infusion Device into Splenic Artery, Percutaneous Approach
04H443Z	Insertion of Infusion Device into Splenic Artery, Percutaneous Endoscopic Approach
04H503Z	Insertion of Infusion Device into Superior Mesenteric Artery, Open Approach
04H533Z	Insertion of Infusion Device into Superior Mesenteric Artery, Percutaneous Approach
04H543Z	Insertion of Infusion Device into Superior Mesenteric Artery, Percutaneous Endoscopic Approach
04H603Z	Insertion of Infusion Device into Right Colic Artery, Open Approach
04H633Z	Insertion of Infusion Device into Right Colic Artery, Percutaneous Approach
04H643Z	Insertion of Infusion Device into Right Colic Artery, Percutaneous Endoscopic Approach
04H703Z	Insertion of Infusion Device into Left Colic Artery, Open Approach
04H733Z	Insertion of Infusion Device into Left Colic Artery, Percutaneous Approach
04H743Z	Insertion of Infusion Device into Left Colic Artery, Percutaneous Endoscopic Approach
04H803Z	Insertion of Infusion Device into Middle Colic Artery, Open Approach
04H833Z	Insertion of Infusion Device into Middle Colic Artery, Percutaneous Approach
04H843Z	Insertion of Infusion Device into Middle Colic Artery, Percutaneous Endoscopic Approach
04H903Z	Insertion of Infusion Device into Right Renal Artery, Open Approach
04H933Z	Insertion of Infusion Device into Right Renal Artery, Percutaneous Approach

ICD-10-PCS Procedure Code[10]	Description
04H943Z	Insertion of Infusion Device into Right Renal Artery, Percutaneous Endoscopic Approach
04HA03Z	Insertion of Infusion Device into Left Renal Artery, Open Approach
04HA33Z	Insertion of Infusion Device into Left Renal Artery, Percutaneous Approach
04HA43Z	Insertion of Infusion Device into Left Renal Artery, Percutaneous Endoscopic Approach
04HB03Z	Insertion of Infusion Device into Inferior Mesenteric Artery, Open Approach
04HB33Z	Insertion of Infusion Device into Inferior Mesenteric Artery, Percutaneous Approach
04HB43Z	Insertion of Infusion Device into Inferior Mesenteric Artery, Percutaneous Endoscopic Approach
04HC03Z	Insertion of Infusion Device into Right Common Iliac Artery, Open Approach
04HC33Z	Insertion of Infusion Device into Right Common Iliac Artery, Percutaneous Approach
04HC43Z	Insertion of Infusion Device into Right Common Iliac Artery, Percutaneous Endoscopic Approach
04HD03Z	Insertion of Infusion Device into Left Common Iliac Artery, Open Approach
04HD33Z	Insertion of Infusion Device into Left Common Iliac Artery, Percutaneous Approach
04HD43Z	Insertion of Infusion Device into Left Common Iliac Artery, Percutaneous Endoscopic Approach
04HE03Z	Insertion of Infusion Device into Right Internal Iliac Artery, Open Approach
04HE33Z	Insertion of Infusion Device into Right Internal Iliac Artery, Percutaneous Approach
04HE33Z	Insertion of Infusion Device into Right Internal Iliac Artery, Percutaneous Approach
04HE43Z	Insertion of Infusion Device into Right Internal Iliac Artery, Percutaneous Endoscopic Approach
04HF03Z	Insertion of Infusion Device into Left Internal Iliac Artery, Open Approach
04HF33Z	Insertion of Infusion Device into Left Internal Iliac Artery, Percutaneous Approach
04HF43Z	Insertion of Infusion Device into Left Internal Iliac Artery, Percutaneous Endoscopic Approach
04HH03Z	Insertion of Infusion Device into Right External Iliac Artery, Open Approach
04HH33Z	Insertion of Infusion Device into Right External Iliac Artery, Percutaneous Approach
04HH43Z	Insertion of Infusion Device into Right External Iliac Artery, Percutaneous Endoscopic Approach
04HJ03Z	Insertion of Infusion Device into Left External Iliac Artery, Open Approach
04HJ33Z	Insertion of Infusion Device into Left External Iliac Artery, Percutaneous Approach
04HJ43Z	Insertion of Infusion Device into Left External Iliac Artery, Percutaneous Endoscopic Approach
04HK03Z	Insertion of Infusion Device into Right Femoral Artery, Open Approach
04HK33Z	Insertion of Infusion Device into Right Femoral Artery, Percutaneous Approach
04HK43Z	Insertion of Infusion Device into Right Femoral Artery, Percutaneous Endoscopic Approach
04HL03Z	Insertion of Infusion Device into Left Femoral Artery, Open Approach
04HL33Z	Insertion of Infusion Device into Left Femoral Artery, Percutaneous Approach
04HL43Z	Insertion of Infusion Device into Left Femoral Artery, Percutaneous Endoscopic Approach
04HM03Z	Insertion of Infusion Device into Right Popliteal Artery, Open Approach
04HM33Z	Insertion of Infusion Device into Right Popliteal Artery, Percutaneous Approach
04HM43Z	Insertion of Infusion Device into Right Popliteal Artery, Percutaneous Endoscopic Approach
04HN03Z	Insertion of Infusion Device into Left Popliteal Artery, Open Approach
04HN33Z	Insertion of Infusion Device into Left Popliteal Artery, Percutaneous Approach
04HN43Z	Insertion of Infusion Device into Left Popliteal Artery, Percutaneous Endoscopic Approach
04HP03Z	Insertion of Infusion Device into Right Anterior Tibial Artery, Open Approach
04HP33Z	Insertion of Infusion Device into Right Anterior Tibial Artery, Percutaneous Approach
04HP43Z	Insertion of Infusion Device into Right Anterior Tibial Artery, Percutaneous Approach
04HQ03Z	Insertion of Infusion Device into Left Anterior Tibial Artery, Open Approach
04HQ33Z	Insertion of Infusion Device into Left Anterior Tibial Artery, Percutaneous Approach
04HQ43Z	Insertion of Infusion Device into Left Anterior Tibial Artery, Percutaneous Endoscopic Approach
04HR03Z	Insertion of Infusion Device into Right Posterior Tibial Artery, Open Approach
04HR33Z	Insertion of Infusion Device into Right Posterior Tibial Artery, Percutaneous Approach
04HR43Z	Insertion of Infusion Device into Right Posterior Tibial Artery, Percutaneous Endoscopic Approach

ICD-10-PCS Procedure Code[10]	Description
04HS03Z	Insertion of Infusion Device into Left Posterior Tibial Artery, Open Approach
04HS33Z	Insertion of Infusion Device into Left Posterior Tibial Artery, Percutaneous Approach
04HS43Z	Insertion of Infusion Device into Left Posterior Tibial Artery, Percutaneous Endoscopic Approach
04HT03Z	Insertion of Infusion Device into Right Peroneal Artery, Open Approach
04HT33Z	Insertion of Infusion Device into Right Peroneal Artery, Percutaneous Approach
04HT43Z	Insertion of Infusion Device into Right Peroneal Artery, Percutaneous Endoscopic Approach
04HU03Z	Insertion of Infusion Device into Left Peroneal Artery, Open Approach
04HU33Z	Insertion of Infusion Device into Left Peroneal Artery, Percutaneous Approach
04HU43Z	Insertion of Infusion Device into Left Peroneal Artery, Percutaneous Endoscopic Approach
04HV03Z	Insertion of Infusion Device into Right Foot Artery, Open Approach
04HV33Z	Insertion of Infusion Device into Right Foot Artery, Percutaneous Approach
04HV43Z	Insertion of Infusion Device into Right Foot Artery, Percutaneous Endoscopic Approach
04HW03Z	Insertion of Infusion Device into Left Foot Artery, Open Approach
04HW33Z	Insertion of Infusion Device into Left Foot Artery, Percutaneous Approach
04HW43Z	Insertion of Infusion Device into Left Foot Artery, Percutaneous Endoscopic Approach
04HY03Z	Insertion of Infusion Device into Lower Artery, Open Approach
04HY33Z	Insertion of Infusion Device into Lower Artery, Percutaneous Approach
04HY43Z	Insertion of Infusion Device into Lower Artery, Percutaneous Endoscopic Approach
5A1221Z	Performance of Cardiac Output, Continuous

Revenue Codes[7] and HCPCS Codes

Revenue codes help hospitals categorize services provided by revenue center. Medicare utilizes revenue codes for cost reporting purposes. For Medicare, revenue codes must be included for each service on a CMS 1450 (UB-04) claim form. It may be appropriate for hospitals to capture the cost of products used for the procedures described above within Revenue Code 0278 (Medical/Surgical Supply – Other Implant) or Revenue Code 0360 (Operating Room Services - General). Health Care Common Procedural Coding System (HCPCS) codes include level I codes (CPT, described above) and level II codes (other products, supplies, and services not included in CPT). Level II HCPCS codes, including C codes, are not applicable to Edwards' products utilized in the procedures described above. C codes are used in conjunction with the Medicare prospective payment system for outpatient procedures only.

References

1. Current Procedure Terminology (CPT) copyright 2015, American Medical Association (AMA). All rights reserved. CPT is a registered trademark of the AMA. Fee schedules, relative value units, conversion factors and/or related components are not assigned by the AMA, are not part of CPT and the AMA is not recommending their use. The AMA does not directly or indirectly practice medicine or dispense medical services. The AMA assumes no liability for data contained or not contained herein. Applicable FARS/DFARS restrictions apply to government use.
2. Not all codes provided are applicable for the clinical scenarios in which Edwards Lifesciences' Heart Valve technologies are used. The provider is responsible for selecting the most appropriate code(s) for the patient's clinical presentation. When diagnostic services are performed, it may be appropriate to add applicable codes according to the service provided following the correct coding guidelines. Services that are considered a component of another procedure may not always be coded and billed separately.
3. For all Medicare payments for physician, hospital outpatient, and ASC services, the multiple procedure reduction rule may apply. Consult with coding and billing staff, and payer policy for further guidance. National average Medicare payment is calculated using the Conversion Factor of $35.0391 per the Medicare Physician Fee Schedule for Calendar Year 2018 Final Rule Issued November 2, 2018. National average is based on factors such as geography, teaching vs. non-teaching hospital, rural vs. urban area, etc. and your payment may be different based on these factors. This payment will differ for commercial payers. Payments are effective January 1, 2019 through December 31, 2019.
4. For Minimal Incision Valve Surgery procedures, multiple catheters and/or cannulae are typically used; therefore, the use of modifier -59 may be required. Check with internal billing staff and payer policies for clarification.
5. Diagnostic procedures performed in the facility setting may require the use of modifier -26 to reflect the professional component of the service only. Check with internal billing staff and payer policies for clarification. Intraoperative Transesophageal echocardiography (TEE) is a non-covered service for many payers. Providers may wish to review Medicare's Correct Coding Initiative when providing anesthesia services in conjunction with TEE. Consult payer policies and contracts for clarification.
6. Centers for Medicare & Medicaid Services. FY2018 Inpatient Prospective Payment System (IPPS) Final Rule issued August 2, 2018. Payments are effective October 1, 2018 through September 30, 2019.
7. National Uniform Billing Committee, American Hospital Association
8. Federal Register / Vol. 74, No. 11 / Friday, January 16, 2009 / Rules and Regulations: This final rule adopts modifications to two of the code set standards adopted in the Transactions and Code Sets final rule published in the Federal Register pursuant to certain provisions of the Administrative Simplification subtitle of the Health Insurance Portability and Accountability Act of 1996 (HIPAA). Specifically, this final rule modifies the standard medical data code sets (hereinafter "code sets") for coding diagnoses and inpatient hospital procedures by concurrently adopting the International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM) for diagnosis coding, including the Official ICD-10-CM Guidelines for Coding and Reporting, as maintained and distributed by the U.S. Department of Health and Human Services (HHS), hereinafter referred to as ICD-10-CM, and the International Classification of Diseases, 10th Revision, Procedure Coding System (ICD-10-PCS) for inpatient hospital procedure coding, including the Official ICD-10-PCS Guidelines for Coding and Reporting, as maintained and distributed by the HHS, hereinafter referred to as ICD-10-PCS. These new codes replace the International Classification of Diseases, 9th Revision, Clinical Modification, Volumes 1 and 2, including the Official ICD-9-CM Guidelines for Coding and Reporting, hereinafter referred to as ICD-9-CM Volumes 1 and 2, and the International Classification of Diseases, 9th Revision, Clinical Modification, Volume 3, including the Official ICD-9-CM Guidelines for Coding and Reporting, hereinafter referred to as ICD-9-CM Volume 3, for diagnosis and procedure codes, respectively. DATES: The effective date of this regulation is March 17, 2009. The effective date is the date that the policies herein take effect, and new policies are considered to be officially adopted. The compliance date, which is different than the effective date, is the date on which entities are required to have implemented the policies adopted in this rule. The compliance date for this regulation is October 1, 2015.
9. International Classification of Diseases, 9th Revision, Clinical Modification 2015 ICD-9-CM for hospitals, volume 1, 2, & 3.
10. International Classification of Diseases, 10th Revision, Procedure Coding System 2016 Draft.

Edwards Lifesciences • One Edwards Way, Irvine CA 92614 USA • edwards.com

Edwards