

2022 Reimbursement and Coding Guide

Surgical Heart Valve Therapy



Edwards

Surgical Valve Repair and Replacement Procedures

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 ¹	Description	CY2022 Medicare National Average Physician Payment ² Facility Setting
Aortic		
33390	Valvuloplasty, aortic valve, open, with cardiopulmonary bypass; simple <i>(ie, valvotomy, debridement, debulking, and/or simple commissural resuspension)</i>	\$1,958
33391	Valvuloplasty, aortic valve, open, with cardiopulmonary bypass; complex <i>(eg, leaflet extension, leaflet resection, leaflet reconstruction, or annuloplasty)</i>	\$2,328
33405	Replacement, aortic valve, open, with cardiopulmonary bypass; with prosthetic valve other than homograft or stentless valve	\$2,305
33406	Replacement, aortic valve, open, with cardiopulmonary bypass; with allograft valve (freehand)	\$2,918
33410	Replacement, aortic valve, open, with cardiopulmonary bypass; with stentless tissue valve	\$2,579
33411	Replacement, aortic valve; with aortic annulus enlargement, noncoronary sinus	\$3,404
33412	Replacement, aortic valve; with transventricular aortic annulus enlargement (Konno procedure)	\$3,194
33413	Replacement, aortic valve; by translocation of autologous pulmonary valve with allograft replacement of pulmonary valve (Ross procedure)	\$3,273
92986	Percutaneous balloon valvuloplasty; aortic valve	\$1,344
Bentall		
33863	Ascending aorta graft, w/cardiopulmonary bypass, w/aortic root replacement using valved conduit and coronary reconstructon (e.g., Bentall)	\$3,191
Mitral		
33420	Valvotomy, mitral valve; closed heart	\$1,475
33422	Valvotomy, mitral valve; open heart, with cardiopulmonary bypass	\$1,691
33425	Valvuloplasty, mitral valve, with cardiopulmonary bypass	\$2,772
33426	Valvuloplasty, mitral valve, with cardiopulmonary bypass; with prosthetic ring	\$2,417
33427	Valvuloplasty, mitral valve, with cardiopulmonary bypass; radical reconstruction, with or without ring	\$2,474
33430	Replacement, mitral valve, with cardiopulmonary bypass	\$2,844
92987	Percutaneous balloon valvuloplasty; mitral valve	\$1,390
Tricuspid		
33460	Valvectomy, tricuspid valve, with cardiopulmonary bypass	\$2,436
33463	Valvuloplasty, tricuspid valve; without ring insertion	\$3,116
33464	Valvuloplasty, tricuspid valve; with ring insertion	\$2,474
33465	Replacement, tricuspid valve, with cardiopulmonary bypass	\$2,793
33468	Tricuspid valve repositioning and plication for Ebstein anomaly	\$2,485
Pulmonary		
33471	Valvotomy, pulmonary valve, closed heart; via pulmonary artery	\$1,347
33475	Replacement pulmonary valve	\$2,356
33999	Unlisted procedure, cardiac surgery	Contractor Priced
92990	Percutaneous balloon valvuloplasty; pulmonary valve	\$1,107

Surgical Valve Repair and Replacement Procedures

Inpatient Hospital Billing DRGs

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-PCS codes on the billing form.

MS-DRG ³	Description	FY2022 Medicare National Average Payment
216	Cardiac valve procedures and other major cardiothoracic procedures with cardiac catheterization with MCC	\$66,202
217	Cardiac valve procedures and other major cardiothoracic procedures with cardiac catheterization with CC	\$42,754
218	Cardiac valve procedures and other major cardiothoracic procedures with cardiac catheterization without MCC or CC	\$40,287
219	Cardiac valve procedures and other major cardiothoracic procedures without cardiac catheterization with MCC	\$53,134
220	Cardiac valve procedures and other major cardiothoracic procedures without cardiac catheterization with CC	\$35,644
221	Cardiac valve procedures and other major cardiothoracic procedures without cardiac catheterization without MCC or CC	\$30,201

ICD - 10 - PCS Procedure Codes for Inpatient Hospital Billing

ICD-10-PCS⁴ Description

Aortic

02RF07Z	Replacement of Aortic Valve with Autologous Tissue Substitute, Open Approach
02RF0KZ	Replacement of Aortic Valve with Nonautologous Tissue Substitute, Open Approach
02RF0JZ	Replacement of Aortic Valve with Synthetic Substitute, Open Approach
02RF08Z	Replacement of Aortic Valve with Zooplasic Tissue, Open Approach
02RF47Z	Replacement of Aortic Valve with Autologous Tissue Substitute, Percutaneous Endoscopic Approach
02RF48Z	Replacement of Aortic Valve with Zooplasic Tissue, Percutaneous Endoscopic Approach
02RF4KZ	Replacement of Aortic Valve with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach
02RF4JZ	Replacement of Aortic Valve with Synthetic Substitute, Percutaneous Endoscopic Approach

Rapid Deployment Valves

X2RF03Z	Replacement of Aortic Valve using Zooplasic Tissue, Rapid Deployment Technique, Open Approach, New Technology, Rapid Deployment Valves, Group 2 (Use with EDWARDS INTUITY Elite valve system)
X2RF43Z	Replacement of Aortic Valve using Zooplasic Tissue, Rapid Deployment Technique, Percutaneous Endoscopic Approach, New Technology Group 2

Bentall (Use both of these codes together for Bentall procedures utilizing KONECT RESILIA aortic valved conduit)

02RF08Z	Replacement of Aortic Valve with Zooplasic Tissue, Open Approach
02RX0JZ	Replacement of Thoracic Aorta, Ascending/Arch with Synthetic Substitute, Open Approach

ICD - 10 - PCS Procedure Codes for Inpatient Hospital Billing

ICD-10-PCS⁴ Description

Mitral Valve Replacement

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
02RG07Z	Replacement of Mitral Valve with Autologous Tissue Substitute, Open Approach

ICD-10-PCS⁴ Description

Mitral Valve Repair

02UG07E	Supplement Mitral Valve created from Left Atrioventricular Valve with Autologous Tissue Substitute, Open Approach
02UG07Z	Supplement Mitral Valve with Autologous Tissue Substitute, Open Approach
02UG08E	Supplement Mitral Valve created from Left Atrioventricular Valve with Zooplastic Tissue, Open Approach
02UG08Z	Supplement Mitral Valve with Zooplastic Tissue, Open Approach
02UG0JE	Supplement Mitral Valve created from Left Atrioventricular Valve with Synthetic Substitute, Open Approach
02UG0JZ	Supplement Mitral Valve with Synthetic Substitute, Open Approach
02UG0KE	Supplement Mitral Valve created from Left Atrioventricular Valve with Nonautologous Tissue Substitute, Open Approach
02UG0KZ	Supplement Mitral Valve with Nonautologous Tissue Substitute, Open Approach
02WG07Z	Revision of Autologous Tissue Substitute in Mitral Valve, Open Approach
02WG08Z	Revision of Zooplastic Tissue in Mitral Valve, Open Approach
02WG0JZ	Revision of Synthetic Substitute in Mitral Valve, Open Approach
02WG0KZ	Revision of Nonautologous Tissue Substitute in Mitral Valve, Open Approach
02QG0ZE	Repair of Mitral Valve created from Left Atrioventricular Valve, Open Approach
02QG0ZZ	Repair of Mitral Valve, Open Approach

ICD-10-PCS⁴ Description

Pulmonary

02NH0ZZ	Release Pulmonary Valve, Open Approach
02QH0ZZ	Repair Pulmonary Valve, Open Approach
02RH07Z	Replacement of Pulmonary Valve with Autologous Tissue Substitute, Open Approach
02RH0KZ	Replacement of Pulmonary Valve with Nonautologous Tissue Substitute, Open Approach
02RH0JZ	Replacement of Pulmonary Valve with Synthetic Substitute, Open Approach

ICD-10-PCS⁴ Description

Tricuspid

02NJ0ZZ	Release Tricuspid Valve, Open Approach
02QJ0ZZ	Repair Tricuspid Valve, Open Approach
02RJ07Z	Replacement of Tricuspid Valve with Autologous Tissue Substitute, Open Approach
02RJ0KZ	Replacement of Tricuspid Valve with Nonautologous Tissue Substitute, Open Approach
02RJ0JZ	Replacement of Tricuspid Valve with Synthetic Substitute, Open Approach
02RJ08Z	Replacement of Tricuspid Valve with Zooplastic Tissue, Open Approach
02UJ07Z	Supplement Tricuspid Valve with Autologous Tissue Substitute, Open Approach
02UJ0KZ	Supplement Tricuspid Valve with Nonautologous Tissue Substitute, Open Approach
02UJ0JZ	Supplement Tricuspid Valve with Synthetic Substitute, Open Approach
02UJ08Z	Supplement Tricuspid Valve with Zooplastic Tissue, Open Approach

For detailed information regarding coding and reimbursement, please contact the dedicated Edwards Reimbursement Hotline: (888) 352-0901 or reimbursementsupport@edwards.com

References

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2. For all Medicare payments for physicians, the multiple procedure reduction rule may apply. Consult with your coding and billing staff, and payer policy for further guidance. National average Medicare payment is calculated using the Conversion Factor of \$34.6062 per the Medicare Physician Fee Schedule Relative Value file released 12/15/2021. 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, 2022 through March 31, 2022.
3. Centers for Medicare & Medicaid Services. FY2022 Inpatient Prospective Payment System (IPPS) Final Rule issued August 02, 2021. Payments are effective October 1, 2022 through September 30, 2022.
4. 2022 ICD-10 PCS | CMS [Internet]. [cited 2021 Nov 30]. Available from: <https://www.cms.gov/medicare/icd-10/2022-icd-10-pcs>

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