

THORAFLEX™ HYBRID

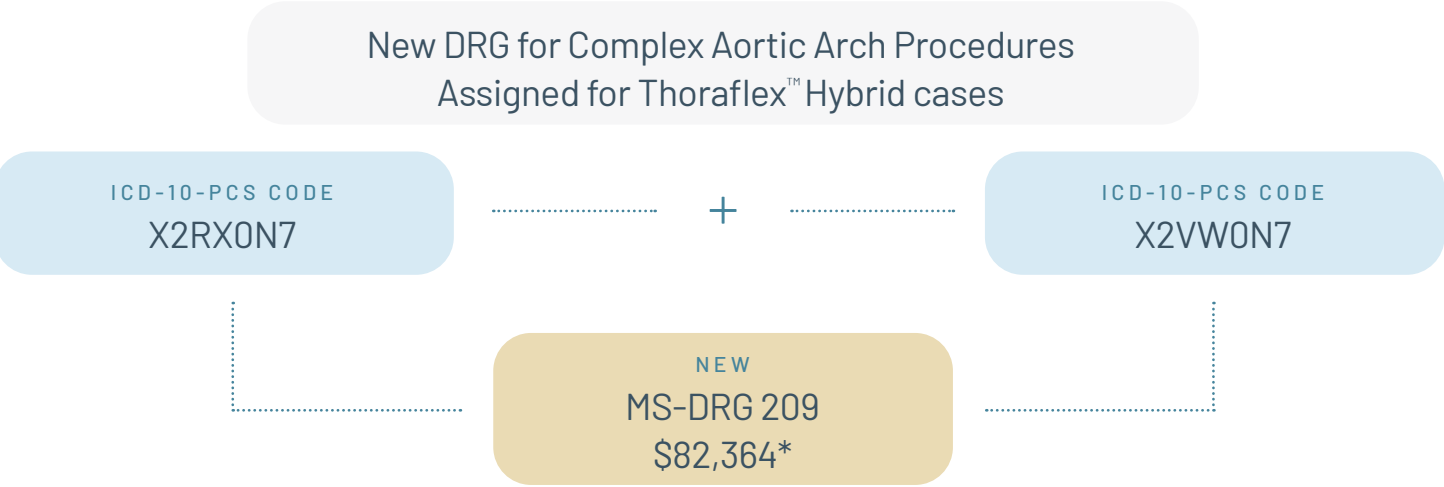
Increased Medicare Payment for Hospitals

Centers for Medicare & Medicaid Services
Complex Aortic Arch Procedure Reimbursement

What is Changing?

CMS’s variable new technology add on payment (NTAP), previously capped at \$22,750 and used in conjunction with MS-DRG219 will be replaced by an **improved MS-DRG rate for Complex Aortic Arch procedures from October 1st, 2025**. This follows Terumo Aortic petitioning CMS for a permanent reimbursement structure that better reflects the real-world costs of delivering life-saving open aortic procedural care.

New Reimbursement Map



Institutional Codes & Reimbursement

Hospital Inpatient rates effective October 1, 2025, through September 30, 2026.

| CPT Code ^A | Description | MS-DRG | National Unadjusted Payment | Change From Prior Year |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------|
| Report both ICD-10-PCS codes when Thoraflex™ Hybrid is utilized | | | | |
| X2RX0N7 + X2VW0N7 | Replacement of Thoracic Aorta, Arch using Branched Synthetic Substitute with Intraluminal Device, Open Approach, New Technology Group 7 + Restriction of Thoracic Aorta, Descending using Branched Synthetic Substitute with Intraluminal Device, Open Approach, New Technology Group 7 | 209 Complex Aortic Arch Procedures | \$82,364* | N/A |
| When Gelweave™ is used separately or only arch replacement is performed** | | | | |
| 02RX0JZ | Replacement of Thoracic Aorta, Ascending/Arch with Synthetic Substitute, Open Approach | 216 Cardiac Valve & Major Cardiothoracic Px w/Cath w/MCC 217 Cardiac Valve & Major Cardiothoracic Px w/Cath w/CC 218 Cardiac Valve & Major Cardiothoracic Px w/Cath w/o CC/MCC 219 Cardiac Valve & Major Cardiothoracic Px w/o Cath w/MCC 220 Cardiac Valve & Major Cardiothoracic Px w/o Cath w/CC 221 Cardiac Valve & Major Cardiothoracic Px w/o Cath w/o CC/MCC | \$71,187 \$47,847 \$47,847 \$55,873 \$38,806 \$36,676 | +3.6% +4.1% +13.0% +1.5% +1.9% +12.2% |

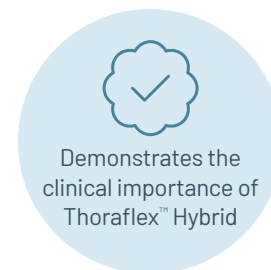
A. MS-DRG National Payment Rates per CMS-1833-F, and assumes wage index > 1 and the hospital appropriately reports quality measures and uses electronic health records. Does not include the 2% sequestration reduction. Individual hospital reimbursement varies significantly based on a number of variables.

CMS analysis of claims as published in their Proposed and Final Rules showed that 60% of the Thoraflex Hybrid cases previously resulted in DRG 219.

* \$82,364 is the new National Unadjusted Medicare Reimbursement rate, reflecting an increase of approximately \$27,000 over the prior average DRG reimbursement without the NTAP Payment.

** See American Hospital Association (AHA) ICD-10-CM/PCS Coding Clinic Second Quarter ICD 10 2024 pp 18-20.

Real-world Benefits



Aortic Arch Replacement & Related Procedures

Professional Codes & Reimbursement

Physician rates effective January 1, 2025 through December 31, 2025

Global Surgery Indicator C: 090

| CPT Code ^A | Description | Work RVU | Total RVU ^B | National Payment ^D |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|-------------------------------|
| Repair Procedures for Thoracic Aortic Aneurysm – Ascending/Arch | | | | |
| 33858 | Ascending aorta graft, with cardiopulmonary bypass, includes valve suspension, when performed; for aortic dissection | 63.40 | 99.79 | \$3,227 |
| 33859 | Ascending aorta graft, with cardiopulmonary bypass, includes valve suspension, when performed; for aortic disease other than dissection (eg, aneurysm) | 45.13 | 71.75 | \$2,320 |
| 33863 | Aortic root replacement including replacement of the valve using valved conduit including coronary reconstruction (Bentall procedure) | 58.79 | 92.47 | \$2,991 |
| 33864 | Ascending aorta graft, with cardiopulmonary bypass with valve suspension, with coronary reconstruction and valve-sparing aortic root remodeling (e.g., David Procedure, Yacoub Procedure) | 60.08 | 94.52 | \$3,057 |
| 33871 | Transverse aortic arch graft, with cardiopulmonary bypass, with profound hypothermia, total circulatory arrest and isolated cerebral perfusion with reimplantation of arch vessel(s) (eg, island pedicle or individual arch vessel reimplantation) | 60.88 | 95.64 | \$3,093 |
| Repair Procedures for Thoracic Aortic Aneurysm – Descending | | | | |
| 33875 | Descending thoracic aorta graft, with or without bypass | 50.72 | 80.64 | \$2,608 |
| 33877 | Repair of thoracoabdominal aortic aneurysm with graft, with or without cardiopulmonary bypass | 69.03 | 105.87 | \$3,424 |
| Direct Repair of Aneurysm or Excision (Partial or Total) and Graft Insertion for Aneurysm, Pseudoaneurysm, Ruptured Aneurysm & Associated Occlusive Disease Procedures | | | | |
| 35081 | Under Direct Repair of Aneurysm or Excision (Partial or Total) and Graft Insertion for Aneurysm, Pseudoaneurysm, Ruptured Aneurysm, and Associated Occlusive Disease Procedures (rupture) | 33.53 | 50.67 | \$1,638 |
| 35082 | Under Direct Repair of Aneurysm or Excision (Partial or Total) and Graft Insertion for Aneurysm, Pseudoaneurysm, Ruptured Aneurysm, and Associated Occlusive Disease Procedures (non-ruptured) | 42.09 | 63.49 | \$2,053 |
| Bypass Graft Procedures | | | | |
| 35626 | Surgical procedure involving an arterial bypass graft from the aorta or subclavian artery to the carotid or innominate artery | 29.14 | 46.96 | \$1,518 |
| Arterial Transposition Procedures | | | | |
| 35694 | Transposition and/or reimplantation; subclavian to carotid artery | 19.28 | 29.08 | \$940 |
| 35695 | Transposition and/or reimplantation; carotid to subclavian artery | 20.06 | 30.17 | \$975 |

A. Review CPT® coding guidelines, modifiers, and NCCI edits for these codes. Current Terminology (CPT®) is a registered trademark of the American Medical Association (AMA). Copyright 2025 AMA. All rights reserved.

B. Rates are from the CY 2025 Physician Fee Schedule Final Rule, CMS-1807-F, Centers for Medicare and Medicaid Services. Conversion Factor = \$32.3465.

C. Status Indicator 090-global postoperative period is 90 days from the date of surgery

D. Payment amounts are listed at National Unadjusted Medicare Rates and do not include the 2% sequestration reduction

The PFS Conversion Factor for 2024 was \$33.2875.

In support of accurate coding & billing, consider the following specifications when dictating operative reports in cases involving Thoraflex Hybrid

- Indication for aneurysm and/or dissection specified
- Bypass and patient cooling procedure described
- Arch replacement for frozen elephant trunk specified
- Thoraflex Hybrid intraluminal device specified by name
- Diameter of the arch portion of the device specified
- Each branched diameter specified (Innominate 12mm / Left Common Carotid 8mm / Left Subclavian 10mm is standard; smaller diameter arch grafts include a 10 / 8 / 8 combination)
- Deployment of the stent graft portion of the device in the descending aorta described
- Diameter and length of the stent graft portion of the device specified

Committed to Aortic Care



To find out more information, please visit
terumoaortic.com/thoraflex-hybrid-drug




View IFU at eifu.terumoaortic.com for more information on use, indications, contraindications and warnings/precautions.

Product availability subject to local regulatory approval.

PM-09962

For distributor information, visit
terumoaortic.com/contact

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