

MP.068.MPC Home PT/INR Monitoring

Maryland Physicians Care considers **Home Prothrombin Time/International Normalized Ratio (PT/INR) Monitoring** devices as medically necessary for members on warfarin needing long-term (> six months) or life-long coagulation for any of the following conditions:

- a. Mechanical heart valves
- b. Chronic atrial fibrillation
- c. Venous thromboembolism inclusive of deep vein thrombosis (DVT) and pulmonary embolism (PE)
- d. Ventricular Assist Devices (VAD)
- e. Hypercoagulable states

AND

All of the following requirements have to be met for Home PT/INR monitoring of a member:

1. The device must be FDA approved
2. The patient must have been anticoagulated for at least three months prior to the use of the home PT/INR device
3. The patient must undergo a documented face-to-face educational program on anticoagulation management demonstrating the correct use of the device prior to its use in the home
4. The patient continues to correctly use the device for anticoagulation therapy following the initiation of home monitoring which is supported with documentation
5. Self-testing with the device should not occur more frequently than once a week

Limitations

- a) Porcine valves
- b) Poor eyesight with no caregiver
- c) Memory impairment
- d) Difficulty with motor coordination or manual dexterity
- e) History of noncompliance

Background

There are at least three sites/methods for managing warfarin anticoagulation:

1. Physician office-based testing and management
2. Anticoagulation clinics

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- Home PT/INR monitoring with patient reporting or physician-directed self-management.

Codes

CPT Codes / HCPCS Codes / ICD-10 Codes

Code	Description
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HCPCS codes covered if selection criteria are met (If Appropriate):

93792	Patient/caregiver training for initiation of home international normalized ratio (INR) monitoring under the direction of a physician or other qualified health care professional, face-to-face, including use and care of the INR monitor, obtaining blood sample, instructions for reporting home INR test results, and documentation of patient's/caregiver's ability to perform testing and report results
93793	Anticoagulant management for a patient taking warfarin, must include review and interpretation of a new home, office, or lab international normalized ratio (INR) test result, patient instructions, dosage adjustment (as needed), and scheduling of additional test(s), when performed
G0248	Demonstration, prior to initiation of home INR monitoring, for patient with either mechanical heart valve(s), chronic atrial fibrillation, or venous thromboembolism who meets Medicare coverage criteria, under the direction of a physician; includes: face-to-face demonstration of use and care of the INR monitor, obtaining at least one blood sample, provision of instructions for reporting home INR test results, and documentation of patient's ability to perform testing and report results
G0249	Provision of test materials and equipment for home INR monitoring of patient with either mechanical heart valve(s), chronic atrial fibrillation, or venous thromboembolism who meets Medicare coverage criteria; includes provision of materials for use in the home and reporting of test results to physician; testing not occurring more frequently than once a week; testing materials, billing units of service include 4 tests
G0250	Physician review, interpretation and patient management of home INR testing for a patient with either mechanical heart valve(s), chronic atrial fibrillation, or venous thromboembolism who meets Medicare coverage criteria; testing not occurring more frequently than once a week; billing units of service include 4 tests

ICD-10 codes covered if selection criteria are met:

D68.51-D68.62	Primary hypercoagulable state
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I26.01-I26.99	Pulmonary embolism (acute)
I27.82	Chronic pulmonary embolism
I48.0-I48.21	Chronic atrial fibrillation (persistent and paroxysmal)
I80.00-I80.9	Phlebitis and thrombophlebitis (including deep vein thrombosis)
I82.0-I82.1	Budd-Chiari syndrome / Thrombophlebitis migrans
I82.211	Chronic embolism and thrombosis of superior vena cava
I82.221	Chronic embolism and thrombosis of inferior vena cava
I82.291	Chronic embolism and thrombosis of other thoracic veins
I82.3	Embolism and thrombosis of renal vein
I82.401	Acute embolism and thrombosis of unspecified deep veins right lower extremity
I82.402	Left lower extremity
I82.403	Bilateral lower extremity
I82.409	Unspecified lower extremity
I82.501-I82.5Z9	Chronic embolism and thrombosis of lower extremity (deep) veins
I82.701-I82.729	Chronic embolism and thrombosis of upper extremity veins
I82.A21-I82.A29	Chronic embolism and thrombosis of axillary vein
I82.B21-I82.B29	Chronic embolism and thrombosis of subclavian vein
I82.C21-I82.C29	Chronic embolism and thrombosis of internal jugular vein
I82.811-I82.819	Embolism and thrombosis of other specified veins
I82.891	Chronic embolism and thrombosis of other specified veins
Z95.2	Presence of prosthetic heart valve
Z79.01	Long-term (current) use of anticoagulants

References

1. Centers for Medicare and Medicaid Services (CMS): National Coverage Determination (NCD) No. (190.11) for Home Prothrombin Time /International Normalized Ratio (PT/INR) Monitoring for Anticoagulation Management. Effective Date: March 19, 2008.
<http://www.cms.gov/medicare-coverage-database/details/ncd-details.aspx?NCDId=269&ncdver=2&bc=AgAAqAAAAAAAAA%3d%3d&>
2. Ortel TL, Neumann I, Ageno W, Beyth R, Clark NP, Cuker A, Hutten BA, Jaff MR, Manja V, Schulman S, Thurston C, Vedantham S, Verhamme P, Witt DM, D Florez I, Izcovich A, Nieuwlaat R, Ross S, J Schünemann H, Wiercioch W, Zhang

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Y, Zhang Y. American Society of Hematology 2020 guidelines for management of venous thromboembolism: treatment of deep vein thrombosis and pulmonary embolism. Blood Adv. 2020 Oct 13;4(19):4693-4738. doi: 10.1182/bloodadvances.2020001830. PMID: 33007077; PMCID: PMC7556153. <https://pubmed.ncbi.nlm.nih.gov/33007077/>

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