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## SHP Mobile Cardiac Telemetry

AUTH: SHP Medical 112 v5 (AC)

**MCG Health**  
Ambulatory Care  
25th Edition

[Link to Codes](#)

- [Coverage](#)
- [Application to Products](#)
- [Authorization Requirements](#)
- [Description of Item or Service](#)
- [Exceptions and Limitations](#)
- [Clinical Indications for Procedure](#)
- [Document History](#)
- [Coding Information](#)
- [References](#)
- [Codes](#)

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### Coverage

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

See the appropriate benefit document for specific coverage determination. Member specific benefits take precedence over medical policy.

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### Application to Products

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

Policy is applicable to all products.

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### Authorization Requirements

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

Pre-certification by the Plan is required.

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### Description of Item or Service

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

Mobile Cardiac Outpatient Telemetry (MCOT) was initially developed as part of the CardioNet system and is a trademarked name that was used as a universal designation. The term Mobile Cardiac Telemetry(MCT) has subsequently become the standard designation due to trademark issues.

Mobile Cardiac Telemetry (MCT) consists of a wearable cardiac monitor that gathers EKG data on a real time basis. The information is stored and can also be transmitted to an attended monitoring station. Using a combination of software algorithms and in person analysis suspected rhythm abnormalities can be evaluated real time if necessary. Arrangements are made for the results to be sent to either a physician associated with the monitoring company or to the physician of record or his designee on a real time basis if certain criteria are met.

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### Exceptions and Limitations

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

- There is insufficient scientific evidence to support the medical necessity mobile cardiac telemetry for uses other than those listed in the clinical indications for procedure section.

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### Clinical Indications for Procedure

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

- Mobile cardiac telemetry is considered medically necessary for individuals with **1 or more** of the following:
  - Post transcatheter aortic valve replacement (TAVR) with subsequent bundle branch block development
  - Cryptogenic cerebrovascular accident (CVA), atrial fibrillation or similar types of atrial tachyarrhythmias (ATAF) surveillance where an implantable loop recorder has not and will not be employed
  - Individual with unexplained (after cardiac evaluation) syncope not felt to need inpatient evaluation but with clinical indications they may be at demonstrable risk of sudden death from a dysrhythmia **that requires real time attended mobile cardiac telemetry and immediate real time evaluation of captured dysrhythmias and physician notification.**
  - Individual with structural heart disease and clinical indications that they may be at demonstrable risk of sudden cardiac death from a dysrhythmia **that requires real time attended mobile cardiac telemetry and immediate real time evaluation of captured dysrhythmias and physician notification.**

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### Document History

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

- Revised Dates:
  - 2020: August, December
  - 2015: February
  - 2014: November
  - 2013: March, June
  - 2012: February, April
  - 2011: June
  - 2010: June
  - 2009: June
- Reviewed Dates:
  - 2022: July
  - 2021: August
  - 2019: December
  - 2018: September
  - 2017: November
  - 2016: September
  - 2015: August
  - 2011: February
- Effective Date: March 2008

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## Coding Information

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

- CPT/HCPCS codes covered if policy criteria is met:
  - CPT 93228 - External mobile cardiovascular telemetry with electrocardiographic recording, concurrent computerized real time data analysis and greater than 24 hours of accessible ECG data storage (retrievable with query) with ECG triggered and patient selected events transmitted to a remote attended surveillance center for up to 30 days; review and interpretation with report by a physician or other qualified health care professional
  - CPT 93229 - External mobile cardiovascular telemetry with electrocardiographic recording, concurrent computerized real time data analysis and greater than 24 hours of accessible ECG data storage (retrievable with query) with ECG triggered and patient selected events transmitted to a remote attended surveillance center for up to 30 days; technical support for connection and patient instructions for use, attended surveillance, analysis and transmission of daily and emergent data reports as prescribed by a physician or other qualified health care professional
  - CPT 93799 - Unlisted cardiovascular service or procedure
- CPT/HCPCS codes considered not medically necessary per this Policy:
  - None

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## References

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

### References used include but are not limited to the following:

Specialty Association Guidelines; Government Regulations; Winifred S. Hayes, Inc; Uptodate; Literature Review; Specialty Advisors; National Coverage Determination (NCD); Local Coverage Determination (LCD).

2017 ISHNE-HRS Expert Consensus Statement on Ambulatory ECG and External Cardiac Monitoring/Telemetry. (2017, May 8). Retrieved Jun 17, 2022, from Heart Rhythm Society: <https://www.hrsonline.org/guidance/clinical-resources/2017-ishne-hrs-expert-consensus-statement>

(2022). Retrieved Jun 17, 2022, from MCG 25th Edition: <https://careweb.careguidelines.com/ed25/index.html>

21CFR870.1025 Arrhythmia detector and alarm (including ST-segment measurement and alarm). (2022, Mar 29). Retrieved Jun 17, 2022, from FDA: <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcr/cfrsearch.cfm?fr=870.1025>

Ambulatory ECG monitoring. (2020, Aug 20). Retrieved Jun 17, 2022, from UpToDate: [https://www.uptodate.com/contents/ambulatory-ecg-monitoring?search=mobile%20cardiovascular%20telemetry&sectionRank=1&usage\\_type=default&anchor=H2367550644&source=machineLearning&selectedTitle=1~150&display\\_rank=1#H2367550644](https://www.uptodate.com/contents/ambulatory-ecg-monitoring?search=mobile%20cardiovascular%20telemetry&sectionRank=1&usage_type=default&anchor=H2367550644&source=machineLearning&selectedTitle=1~150&display_rank=1#H2367550644)

Local Coverage Determination (LCD) Cardiac Event Detection - L34573. (2019, Oct 1). Retrieved Jun 17, 2022, from CMS LCD: <https://www.cms.gov/medicare-coverage-database/view/lcd.aspx?cdld=34573&ver=22>

Mobile Cardiac Outpatient Telemetry (MCOT) (CardioNet Ambulatory ECG Monitor; CardioNet Inc.) For Home Monitoring Of Cardiac Patients - ARCHIVED Oct 23, 2014. (n.d.). Retrieved Jun 17, 2022, from Hayes: <https://evidence.hayesinc.com/report/htb.mcot>

Procedure Fee Files & CPT Codes. (2022). Retrieved Jun 17, 2022, from DMAS: <https://www.dmas.virginia.gov/for-providers/rates-and-rate-setting/procedure-fee-files-cpt-codes/#searchCPT>

Wearable Devices for Ambulatory Cardiac Monitoring. (2020, Apr 3). Retrieved Jun 17, 2022, from American College of Cardiology: <https://www.acc.org/Latest-in-Cardiology/ten-points-to-remember/2020/03/30/12/17/Wearable-Devices-for-Ambulatory-Cardiac>

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## Codes

[Return to top of SHP Mobile Cardiac Telemetry - AC](#)

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