

CMS Manual System	Department of Health & Human Services (DHHS)
Pub 100-03 Medicare National Coverage Determinations	Centers for Medicare & Medicaid Services (CMS)
Transmittal 13806	Date: May 28, 2026
	Change Request 14311

Transmittal 13716 issued April 03, 2026, is being rescinded and replaced by Transmittal 13806, dated May 28, 2026, to revise the Pub.100-04 Claims Processing Manual (CPM) Table of Contents and chapter section/sub-section number(s), that were erroneously misnumbered. In the Pub 100-03 business requirement 1, the reference to the (CPM) is being updated to the correct chapter and section. There are no changes to the policy. All other information remains the same.

SUBJECT: Cardiac Contractility Modulation (CCM) for Heart Failure (HF)

I. SUMMARY OF CHANGES: The purpose of this Change Request (CR) is to inform contractors that effective October 28, 2025, contractors shall pay claims for CCM.

EFFECTIVE DATE: October 28, 2025

**Unless otherwise specified, the effective date is the date of service.*

IMPLEMENTATION DATE: April 6, 2026

Disclaimer for manual changes only: The revision date and transmittal number apply only to red italicized material. Any other material was previously published and remains unchanged. However, if this revision contains a table of contents, you will receive the new/revised information only, and not the entire table of contents.

II. CHANGES IN MANUAL INSTRUCTIONS: (N/A if manual is not updated)

R=REVISED, N=NEW, D=DELETED-Only One Per Row.

R/N/D	CHAPTER / SECTION / SUBSECTION / TITLE
N	1/20/20.39/Cardiac Contractility Modulation (CCM) for Heart Failure (HF)

III. FUNDING:

For Medicare Administrative Contractors (MACs):

The Medicare Administrative Contractor is hereby advised that this constitutes technical direction as defined in your contract. CMS does not construe this as a change to the MAC Statement of Work. The contractor is not obligated to incur costs in excess of the amounts allotted in your contract unless and until specifically authorized by the Contracting Officer. If the contractor considers anything provided, as described above, to be outside the current scope of work, the contractor shall withhold performance on the part(s) in question and immediately notify the Contracting Officer, in writing or by e-mail, and request formal directions regarding continued performance requirements.

IV. ATTACHMENTS:

**Business Requirements
Manual Instruction**

Attachment - Business Requirements

Pub. 100-03	Transmittal: 13806	Date: May 28, 2026	Change Request: 14311
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SUBJECT: Cardiac Contractility Modulation (CCM) for Heart Failure (HF)

EFFECTIVE DATE: October 28, 2025

**Unless otherwise specified, the effective date is the date of service.*

IMPLEMENTATION DATE: April 6, 2026

I. SUMMARY OF CHANGES: The purpose of this Change Request (CR) is to inform contractors that effective October 28, 2025, contractors shall pay claims for CCM.

II. GENERAL INFORMATION

A. Background: The purpose of this Change Request (CR) is to make contractors aware of coverage for CCM used for the treatment of HF, effective October 28, 2025.

B. Policy: Effective October 28, 2025, the Centers for Medicare & Medicaid Services (CMS) covers CCM used for the treatment of HF under Coverage with Evidence Development (CED) according to the criteria outlined in National Coverage Determinations (NCDs) manual, chapter 1, section 20.39.

Consistent with section 1142 of the Act, Agency for Healthcare Research and Quality (AHRQ) supports clinical research studies that CMS determines meet all the criteria and standards identified above.

CCM used for the treatment of HF is not covered for patients outside of a CMS-approved study.

Nothing in this NCD would preclude coverage of CCM through NCD 310.1 (Clinical Trial Policy) or through the Investigational Device Exemption (IDE) Policy.

III. BUSINESS REQUIREMENTS TABLE

"Shall" denotes a mandatory requirement, and "should" denotes an optional requirement.

Number	Requirement	Responsibility								
		A/B MAC			DME MAC	Shared-System Maintainers				Other
		A	B	HHH		FISS	MCS	VMS	CWF	
14311 - 03.1	Effective October 28, 2025, contractors shall allow claims for CCM used in the treatment of HF.	X	X							

Number	Requirement	Responsibility								
		A/B MAC			DME MAC	Shared-System Maintainers				Other
		A	B	HHH		FISS	MCS	VMS	CWF	
	Please refer to the NCD manual, Pub. 100-03, chapter 1, section 20.39 and Pub. 100-04, chapter 32, section 418 for claims processing instructions.									

IV. PROVIDER EDUCATION

Medicare Learning Network® (MLN): CMS will develop and release national provider education content and market it through the MLN Connects® newsletter shortly after we issue the CR. MACs shall link to relevant information on your website and follow IOM Pub. No. 100-09 Chapter 6, Section 50.2.4.1 for distributing the newsletter to providers. When you follow this manual section, you don't need to separately track and report MLN content releases. You may supplement with your local educational content after we release the newsletter.

Impacted Contractors: A/B MAC Part B, A/B MAC Part A

V. SUPPORTING INFORMATION

Section A: Recommendations and supporting information associated with listed requirements: N/A

"Should" denotes a recommendation.

X-Ref Requirement Number	Recommendations or other supporting information:

Section B: All other recommendations and supporting information: N/A

VI. CONTACTS

Post-Implementation Contact(s): Contact your Contracting Officer's Representative (COR).

VII. FUNDING

Section A: For Medicare Administrative Contractors (MACs):

The Medicare Administrative Contractor is hereby advised that this constitutes technical direction as defined in your contract. CMS does not construe this as a change to the MAC Statement of Work. The contractor is not obligated to incur costs in excess of the amounts allotted in your contract unless and until specifically authorized by the Contracting Officer. If the contractor considers anything provided, as described above, to be outside the current scope of work, the contractor shall withhold performance on the part(s) in question and immediately notify the Contracting Officer, in writing or by e-mail, and request formal directions regarding continued performance requirements.

ATTACHMENTS: 1

**Medicare National Coverage Determinations
Manual
Chapter 1, Part 1 (Sections 10- 80.12)
Coverage Determinations**

Table of Contents
(Rev. 13806; Issued: 05-28-26)

20 - Cardiovascular System

20.39 Cardiac Contractility Modulation (CCM) for Heart Failure (HF)

20.39 –Cardiac Contractility Modulation (CCM) for Heart Failure (HF)
(Rev. 13806, Issued: 05-28-26, Effective: 10-28- 25, Implementation: 04- 06-26)

A. General

Cardiac Contractility Modulation (CCM) is used in the treatment of heart failure (HF).

B. Nationally Covered Indications

The Centers for Medicare & Medicaid Services (CMS) covers CCM for HF management under Coverage with Evidence Development (CED) when furnished according to a Food and Drug Administration (FDA) market-authorized indication and all of the following conditions are met:

1. Patient Criteria

Patients must meet the FDA market-authorized indications for use and remain symptomatic despite at least 3 months of optimized guideline-directed medical therapy (GDMT) as determined by the heart team prior to CCM implantation.

Patients are excluded from coverage if they meet any of the following criteria:

- Meet any of the contraindications in the FDA labeling; or,*
- Have had a heart transplant; or,*
- Are younger than 18 years old*

2. CED Study Criteria

The CCM and related items and services are furnished in the context of a CMS-approved CED study. CMS-approved CED study protocols must: include only those patients who meet the criteria in section B.1; and include all of the following:

a) Primary outcomes of all-cause mortality, HF hospitalizations, or a composite of these, through a minimum of 24 months. Each component of a composite outcome must be individually reported.

b) An active comparator.

c) A care management plan that identifies members, roles, and responsibilities of the clinical team that performs the follow-up CCM patient management.

d) Design sufficient for subgroup analyses by:

- Age (Stratify <65, 65-74, 75+)*
- Other clinically important patient demographic factors*
- Ischemic cardiomyopathy versus non-ischemic cardiomyopathy;*
- No CRT, CRT (cardiac resynchronization therapy);*
- Left ventricular ejection fraction (LVEF) $\geq 35\%$ versus $< 35\%$;*
- Systolic blood pressure \geq median versus $<$ median;*
- Diabetic vs non-diabetic*

e) In addition, CMS-approved CED studies must adhere to the following scientific standards (criteria 1-17 below) that have been identified by the Agency for Healthcare Research and Quality (AHRQ) as set forth in Section VI. of CMS' Coverage with Evidence Development Guidance Document, published August 7, 2024 (the "CED Guidance Document") <https://www.cms.gov/medicare-coverage-database/view/medicare-coverage-document.aspx?mcdid=38>

- 1. Sponsor/Investigator: The study is conducted by sponsors/investigators with the resources and skills to complete it successfully.*
- 2. Milestones: A written plan is in place that describes a detailed schedule for completion of key study milestones, including study initiation, enrollment progress, interim results reporting, and results reporting, to ensure timely completion of the CED process.*
- 3. Study Protocol: The CED study is registered with ClinicalTrials.gov and a complete final protocol, including the statistical analysis plan, is delivered to CMS prior to study initiation. The published protocol includes sufficient detail to allow a judgment of whether the study is fit-for-purpose and whether reasonable efforts will be taken to minimize the risk of bias. Any changes to approved study protocols should be explained and publicly reported.*
- 4. Study Context: The rationale for the study is supported by scientific evidence and study results are expected to fill the specified CMS-identified evidence deficiency and provide evidence sufficient to assess health outcomes.*
- 5. Study Design: The study design is selected to safely and efficiently generate valid evidence of health outcomes. The sponsors/investigators minimize the impact of confounding and biases on inferences through rigorous design and appropriate statistical techniques. If a contemporaneous comparison group is not included, this choice should be justified, and the sponsors/investigators discuss in detail how the design contributes useful information on issues such as durability or adverse event frequency that are not clearly answered in comparative studies.*
- 6. Study Population: The study population reflects the demographic and clinical diversity among the Medicare beneficiaries who are the intended population of the intervention, particularly when there is good clinical or scientific reason to expect that the results observed in premarket studies might not be observed in older adults or subpopulations identified by other clinical or demographic factors.*
- 7. Subgroup Analyses: The study protocol explicitly discusses beneficiary subpopulations affected by the item or service under investigation, particularly traditionally underrepresented groups in clinical studies, how the inclusion and exclusion requirements effect enrollment of these populations, and a plan for the retention and reporting of said populations in the trial. In the protocol, the sponsors/investigators describe plans for analyzing demographic subpopulations as well as clinically relevant subgroups as identified in existing evidence. Description of plans for exploratory analyses, as relevant subgroups emerge, are also included.*
- 8. Care Setting: When feasible and appropriate for answering the CED question, data for the study should come from beneficiaries in their expected sites of care.*
- 9. Health Outcomes: The primary health outcome(s) for the study are those important to patients and their caregivers and that are clinically meaningful. A validated surrogate outcome that reliably predicts these outcomes may be appropriate for some questions. Generally, when study sponsors propose using surrogate endpoints to measure outcomes, they should cite validation studies published in peer-reviewed journals to provide a rationale for assuming these endpoints predict the health outcomes of interest. The cited validation studies should be longitudinal and demonstrate a statistical association between the surrogate endpoint and the health outcomes it is thought to predict.*
- 10. Objective Success Criteria: In consultation with CMS and AHRQ, sponsors/investigators establish an evidentiary threshold for the primary health outcome(s) to demonstrate clinically meaningful differences with sufficient precision.*

11. *Data Quality:* The data are generated or selected with attention to provenance, bias, completeness, accuracy, sufficiency of duration of observation to demonstrate durability of health outcomes, and sufficiency of sample size as required by the question.

12. *Construct Validity:* Sponsors/investigators provide information about the validity of drawing warranted conclusions about the study population, primary exposure(s) (intervention, control), health outcome measures, and core covariates when using either primary data collected for the study about individuals or proxies of the variables of interest, or existing (secondary) data about individuals or proxies of the variables of interest.

13. *Sensitivity Analyses:* Sponsors/investigators will demonstrate robustness of results by conducting prespecified sensitivity testing using alternative variable or model specifications as appropriate.

14. *Reporting:* Final results are provided to CMS and submitted for publication or reported in a publicly accessible manner within 12 months of the study's primary completion date. Wherever possible, the study is submitted for peer review with the goal of publication using a reporting guideline appropriate for the study design and structured to enable replication. If peer-reviewed publication is not possible, results may also be published in an online publicly accessible registry dedicated to the dissemination of clinical trial information such as ClinicalTrials.gov, or in journals willing to publish in abbreviated format (e.g., for studies with incomplete results).

15. *Sharing:* The sponsors/investigators commit to making study data publicly available by sharing data, methods, analytic code, and analytical output with CMS or with a CMS-approved third party. The study should comply with all applicable laws regarding subject privacy, including 45 CFR § 164.514 within the regulations promulgated under the Health Insurance Portability and Accountability Act of 1996 (HIPAA) and 42 CFR, Part 2: Confidentiality of Substance Use Disorder Patient Records.

16. *Governance:* The protocol describes the information governance and data security provisions that have been established to satisfy Federal security regulations issued pursuant to HIPAA and codified at 45 CFR Parts 160 and 164 (Subparts A & C), United States Department of Health and Human Services (HHS) regulations at 42 CFR, Part 2: Confidentiality of Substance Use Disorder Patient and HHS regulations at 45 CFR Part 46, regarding informed consent for clinical study involving human subjects. In addition to the requirements under 42 CFR and 45 CFR, studies that are subject to FDA regulation must also comply with regulations at 21 CFR Parts 50 and 56 regarding the protection of human subjects and institutional review boards, respectively.

17. *Legal:* The study is not designed to exclusively test toxicity or disease pathophysiology in healthy individuals, although it is acceptable for a study to test a reduction in toxicity of a product relative to standard of care or an appropriate comparator. For studies that involve researching the safety and effectiveness of new drugs and biological products aimed at treating life-threatening or severely debilitating diseases, refer to additional requirements set forth in 21 CFR § 312.81(a).

Consistent with section 1142 of the Social Security Act, AHRQ supports clinical research studies that CMS determines meet all the criteria and standards identified above.

C. Other Uses of CCM

1. CCM for HF management is not covered for patients outside of a CMS-approved study.
2. Nothing in this NCD would preclude coverage of CCM for HF management through NCD 310.1 (Clinical Trial Policy) or through the Investigational Device Exemption (IDE) Policy.

(This NCD last reviewed October 2025.)

NCD: 20.39										
NCD Title: Cardiac Contractility Modulation (CCM) for Heart Failure (CR14311)										
IOM: https://www.cms.gov/regulations-and-guidance/guidance/manuals/downloads/clm104c32.pdf										
MCD: https://www.cms.gov/medicare-coverage-database/view/ncacal-decision-memo.aspx?proposed=Y&NCAId=317										
Part A	Rule Description Part A	HCCPS/CPT Part A	Frequency Limitations	TOB (Part A)	Revenue Code Part A	Modifier Part A	Provider Specialty	Proposed MSN Message Part A	Proposed CARC Message Part A	Proposed RARC Message Part A
Part A	<p>Effective October 28, 2025, the Centers for Medicare & Medicaid Services (CMS) covers CCM used for the treatment of HF under Coverage with Evidence Development (CED) according to the criteria outlined in NCD manual, chapter 1, section 20.39. Consistent with section 1142 of the Act, AHRQ supports clinical research studies that CMS determines meet all the criteria and standards identified above. CCM used for the treatment of HF is not covered for patients outside of a CMS-approved study.</p> <p>Please refer to the NCD Manual, Pub. 100-03, Section 20.39 for coverage and Pub. 100-04 Chapter 32, Section 418 for claims processing instructions.</p>									
Part A	<p>Effective 10/28/25, A/MACs and FISS shall process CCM claims submitted with the following with the following criteria:</p> <ul style="list-style-type: none"> -Type of Bill (TOB) 11X -ICD-10-CM dual diagnosis requirements-see ICD Diagnosis tab -Insertion/replacement ICD-10-PCS codes listed on ICD Procedures tab -Value code D4 with the 8-digit National Clinical Trial number (NCT) -Condition code 30 <p>Contractors shall Return to Provider (RTP) CCM claims when TOB is not equal to 11X, 12X, 13X, or 85X. Contractors shall RTP CCM claims not submitted with condition code 30 (claim level) or modifier Q0 (line level). Contractors shall RTP CCM claims not submitted with value code D4 and the 8 digit NCT number is not present.</p>	See ICD Procedures		11X						

NCD: 20.39										
NCD Title: Cardiac Contractility Modulation (CCM) for Heart Failure (CR14311)										
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MCD: https://www.cms.gov/medicare-coverage-database/view/hccal-decision-memo.aspx?proposed=Y&NCAId=317										
Part A	Effective 10/28/25, A/MACs and FISS shall process CCM claims submitted with the following with the following criteria: -Type of Bill (TOB) 12X, 13X, or 85X -ICD-10-CM dual diagnosis requirements-see ICD Diagnosis tab -CPT & HCPCS codes provided in Column C -Value code D4 with the 8-digit National Clinical Trial number (NCT) -Condition code 30 -Modifier Q0	Insertion/Replacement procedures 0408T 0409T 0410T 0411T Removal procedures 0412T 0413T 0414T Repositioning procedures 0415T 0416T Programming procedures 0417T 0418T Healthcare Common Procedure Coding System codes (HCPCS): C1824 C1898 K1030							12X 13X 85X	
Part A	A/MACs and FISS shall Return to Provider (RTP) CCM claims when TOB is not equal to 11X, 12X, 13X, or 85X. A/MACs and FISS shall RTP CCM claims not submitted with condition code 30 (claim level) or modifier Q0 (line level). A/MACs and FISS shall RTP CCM claims not submitted with value code D4 and the 8 digit NCT number is not present.									
Part A	A/MACs and FISS shall deny CCM claims not submitted with the specified dual ICD-10-CM Diagnosis requirements. Group Code – CO or PR (Patient Responsibility) dependent upon liability. Use PR when: •On institutional claims, Occurrence Code 32 is present (claim level) or Q0 on professional claims and the line level for institutional claims									15.2 167 N386
Type of Bill (TOB) 11X										
#NAME?										
Part B	Rule Description Part B	HCPCS/CPT Part B	Frequency Limitations	POS (Part B)	n/a	Modifier Part B	Provider Specialty	Proposed MSN Message Part B	Proposed CARC Message Part B	Proposed RARC Message Part B

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NCD Title:	Cardiac Contractility Modulation (CCM) for Heart Failure (CR14311)								
IOM:	https://www.cms.gov/regulations-and-guidance/guidance/manuals/downloads/clm104c32.pdf								
MCD:	https://www.cms.gov/medicare-coverage-database/view/hccal-decision-memo.aspx?proposed=Y&NCAId=317								
Part B	<p>Effective October 28, 2025, the Centers for Medicare & Medicaid Services (CMS) covers CCM used for the treatment of HF under Coverage with Evidence Development (CED) according to the criteria outlined in NCD manual, chapter 1, section 20.39. Consistent with section 1142 of the Act, AHRQ supports clinical research studies that CMS determines meet all the criteria and standards identified above.</p> <p>CCM used for the treatment of HF is not covered for patients outside of a CMS-approved study.</p> <p>Please refer to the NCD Manual, Pub. 100-03, Section 20.39 for coverage and Pub. 100-04 Chapter 32, Section 418 for claims processing instructions.</p>								
Part B	<p>Effective 10/28/25, B/MACs and MCS shall process CCM claims submitted with the following with the following criteria:</p> <ul style="list-style-type: none"> -POS codes listed in Column E -ICD-10-CM dual diagnosis requirements-see ICD Diagnosis tab -CPT & HCPCS codes provided in Column C -Modifier Q0 	<p>Insertion/Replacement procedures</p> <p>0408T 0409T 0410T 0411T</p> <p>Removal procedures</p> <p>0412T 0413T 0414T</p> <p>Repositioning procedures</p> <p>0415T 0416T</p> <p>Programming procedures</p> <p>0417T 0418T</p> <p>Healthcare Common Procedure Coding System codes (HCPCS):</p> <p>C1824 C1898 K1030</p>							<p>11 19 21 22 24 26 71 72</p>
Part B	<p>B/MACs and FISS shall return as unprocessable CCM line-items on claims in a clinical research study when billed without the clinical trial number.Group Code: CO</p>								<p>16 MA50</p>

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MCD: https://www.cms.gov/medicare-coverage-database/view/ncacal-decision-memo.aspx?proposed=Y&NCAId=317									
Part B	B/MACs, MCS and FISS shall return as unprocessable line-items on CCM claims in a clinical research study when billed without modifier Q0 . Group Code: CO							4	N519
Part B	B/MACs shall deny CCM claims not submitted with the specified dual ICD-10-CM Diagnosis requirements. Group Code – CO or PR (Patient Responsibility) dependent upon liability. Use PR when: •On institutional claims, Occurrence Code 32 is present (claim level) or Q0 on professional claims and the line level for institutional claims						15.2	167	N386
Part B	B/MACs shall return as unprocessable claims for CCM services when services were billed in other than listed Place of Service (POS).								58 N386
REVISION HISTORY									
CR14311: New NCD and spreadsheet issued. Added POS codes 11, 24, 71 and 72.									

NCD:	20.39
NCD Title:	Cardiac Contractility Modulation (CCM) for Heart Failure
IOM:	https://www.cms.gov/regulations-and-guidance/guidance/manuals/downloads/clm104c32.pdf
MCD:	https://www.cms.gov/medicare-coverage-database/view/ncacal-decision-memo.aspx?proposed=Y&NCAId=317
	CMS reserves the right to add or remove codes associated with its NCDs in order to implement those NCDs in the most efficient manner within the confines of the policy
ICD-10 CM	ICD-10 DX Description
	Dual Diagnosis Requirement 1. Principal Dianosis
I50.1	Left ventricular failure, unspecified
I50.20	Unspecified systolic (congestive) heart failure
I50.21	Acute systolic (congestive) heart failure
I50.22	Chronic systolic (congestive) heart failure
I50.23	Acute on chronic systolic (congestive) heart failure
I50.30	Unspecified diastolic (congestive) heart failure
I50.31	Acute diastolic (congestive) heart failure
I50.32	Chronic diastolic (congestive) heart failure
I50.33	Acute on chronic diastolic (congestive) heart failure
I50.40	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure
I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure
I50.810	Right heart failure, unspecified
I50.811	Acute right heart failure
I50.812	Chronic right heart failure
I50.813	Acute on chronic right heart failure
I50.814	Right heart failure due to left heart failure
I50.82	Biventricular heart failure
I50.83	High output heart failure
I50.84	End stage heart failure
I50.89	Other heart failure
I50.9	Heart failure, unspecified

	CMS reserves the right to add or remove codes associated with its NCDs in order to implement those NCDs in the most efficient manner within the confines of the policy
	Dual Diagnosis Requirement 2. Reported as other diagnosis
Z00.6	Encounter for examination for normal comparison and control in clinical research program

