CardioMEMS™ HF System

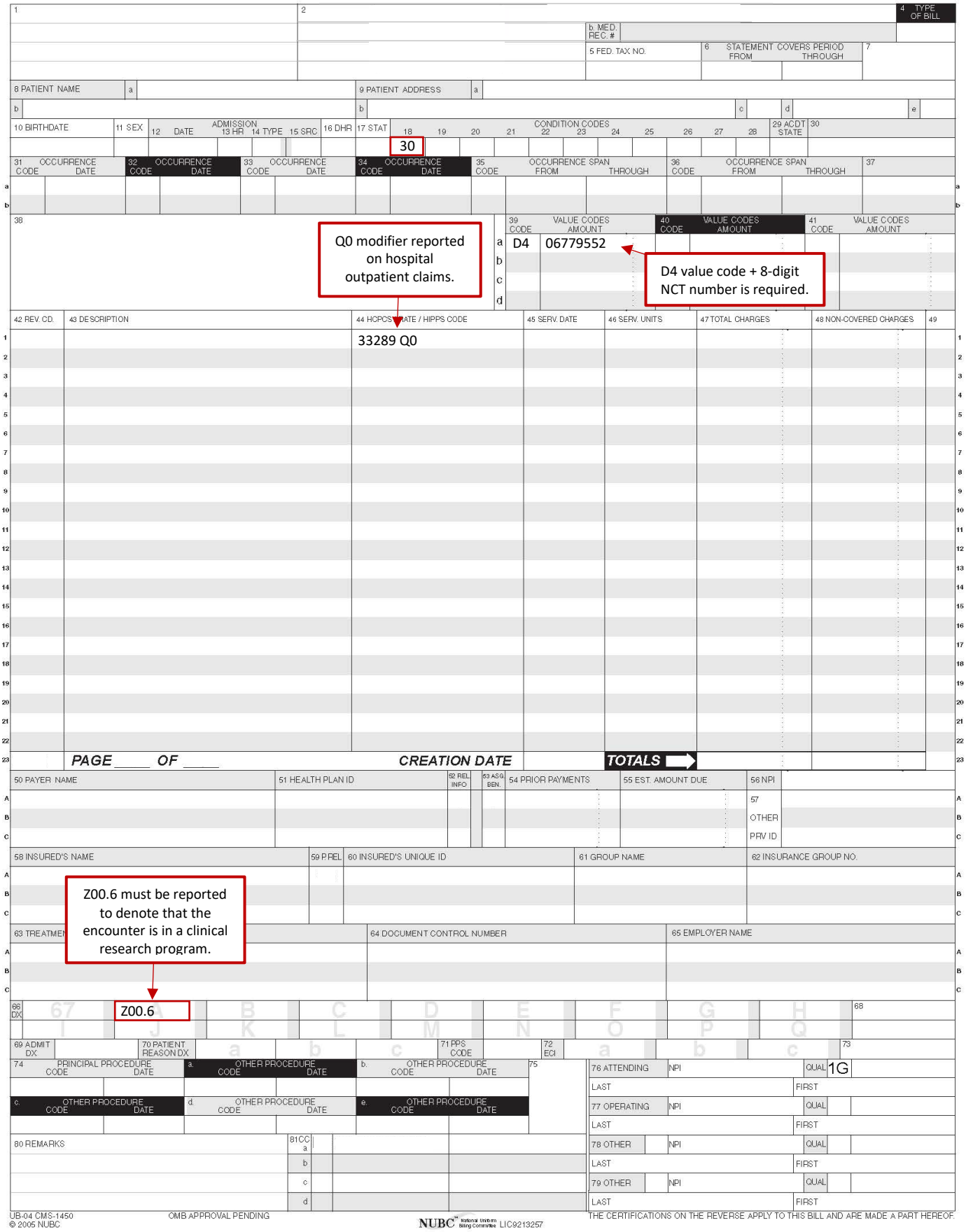
Medicare Coverage with Evidence Development Study Information: Institutional

This document summarizes the Centers for Medicare & Medicaid Services (CMS) billing requirements for traditional Medicare and Medicare Advantage patients for the CardioMEMS™ HF System, which is covered by a National Coverage Determination (NCD) under Coverage with Evidence Development (CED). It is the physician's responsibility to determine appropriate coding for a particular patient and/or procedure. Any claim should be coded appropriately and supported with adequate documentation in the medical record.

CODES/MODIFIERS/OTHERS	CMS REQUIREMENT
DIAGNOSIS CODES	
Applicable primary diagnosis codes	Yes, in all cases
Z00.6*: Encounter for examination for normal comparison and control in clinical research program	Yes, in all cases
Applicable secondary diagnosis codes	If applicable
CPT‡, MODIFIER & HCPCS CODES	
33289: Transcatheter implantation of wireless pulmonary artery pressure sensor for long term hemodynamic monitoring, including deployment and calibration of the sensor, right heart catheterization, selective pulmonary catheterization, radiological supervision and interpretation, and pulmonary artery angiography	Only **outpatient** cases
CPT‡ Modifier Q0*: Investigational clinical service provided in a clinical research study that is in an approved clinical research study	All **outpatient** cases
ICD-10-PCS CODE	
02HQ30Z: Insertion of pressure sensor monitoring device into right pulmonary artery, percutaneous approach	Only **Inpatient** cases
02HR30Z: Insertion of pressure sensor monitoring device into left pulmonary artery, percutaneous approach	Only **Inpatient** cases
CONDITION CODE	
30*: qualifying clinical trial	Yes, in all cases
NCT NUMBER	
NCT06779552	Yes, in all cases
VALUE CODE	
D4*	Yes, in all cases

*These codes are unique requirements because of the CED.

SAMPLE INSTITUTIONAL CLAIM FORM



Important Safety Information

CardioMEMS™ HF System

Rx Only

Brief Summary: Prior to using these devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.

CardioMEMS™ HF System Indications and Usage: The CardioMEMS HF System is indicated for wirelessly measuring and monitoring pulmonary artery pressure and heart rate in NYHA Class II or III heart failure patients who either have been hospitalized for heart failure in the previous year and/or have elevated natriuretic peptides. The hemodynamic data are used by physicians for heart failure management with the goal of controlling pulmonary artery pressures and reducing heart failure hospitalizations.

CardioMEMS™ HF System Contraindications: The CardioMEMS™ HF System is contraindicated for patients with an inability to take dual antiplatelet or anticoagulants for one month post implant.

CardioMEMS™ HF System Potential Adverse Events: Potential adverse events associated with the implantation procedure include, but are not limited to, the following: air embolism, allergic reaction, infection, delayed wound healing, arrhythmias, bleeding, hemoptysis, hematoma, nausea, cerebrovascular accident, thrombus, cardiovascular injury, myocardial.

References:

- National Coverage Determination CardioMEMS : NCD Final Decision Memo CardioMEMS
- CMS UB-04 Form: Interactive UB-04 (palmettogba.com)
- 2025 ICD-10-PCS: https://www.cms.gov/files/document/2025-official-icd-10-pcs-coding-guidelines.pdf
- 2025 ICD-10-CM: https://www.cms.gov/files/document/fy-2025-icd-10-cm-coding-guidelines.pdf
- Coverage with Evidence Development: Coverage with Evidence Development | CMS
- D4 Value Code for Institutional Claim Form UB-04: D4 MM5790

CAUTION: This product is intended for use by or under the direction of a physician. Prior to use, reference the Instructions for Use, inside the product carton (when available) or at vascular.eifu.abbott or at medical.abbott/manuals for more detailed information on Indications, Contraindications, Warnings, Precautions and Adverse Events. This material is intended for use with healthcare professionals only.

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