



Medicare Utilization Review Version

DRG CASE STUDY

A 70-year-old male Medicare beneficiary was admitted to a hospital with crushing chest pain. The surgeon inserted a dual chamber pacemaker system consisting of leads in the right atrium and ventricle (02H63JZ, 02HK3JZ) and dual chamber pacemaker pulse generator (0JH636Z). The patient was discharged alive with a principal diagnosis of type 1 ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall (I21.09).

Cases for Permanent Cardiac Pacemaker Implantation are assigned to MS-DRGs 242-244¹, based on the presence of CCs or MCCs.

Principal Diagnosis: I21.09 (ST elevation (STEMI) myocardial infarction involving other coronary artery of the anterior wall) Procedures: 02H63JZ, Insertion of pacemaker lead into right atrium, percutaneous approach; 02HK3JZ Insertion of pacemaker lead into right ventricle, percutaneous approach; and 0JH636Z Insertion of pacemaker, dual chamber into chest subcutaneous tissue and fascia, percutaneous approach	MS-DRG Assignment	FY2025 payment rate, with wage index of 1, excluding quality and other adjustments (Relative Weight)
Case 1: Additional Diagnosis: I50.9 Heart failure, unspecified	244 Permanent Cardiac Pacemaker Implant w/o CC/MCC	\$12,879.30 (1.8047)
Case 2: Additional Diagnosis: I50.1 Left ventricular failure (a designated CC for this case)	243 Permanent Cardiac Pacemaker Implant w/CC	\$16,077.18 (2.2528)
Case 3: Additional Diagnosis I50.31 Acute diastolic (congestive) heart failure (a designated MCC for this case)	242 Permanent Cardiac Pacemaker Implant w/MCC	\$24,207.11 (3.3920)

¹ Pre MS-DRGs, all 3 cases would have been assigned DRG 551 in FY2007, payment rate of \$16,098 for a wage index of 1.