

DRG Desk Reference

The ultimate resource for improving
MS-DRG assignment practices

2020



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Diseases And Disorders Of The Circulatory System

DRG 215 Other Heart Assist System Implant

RW 15.8738

Potential DRGs

001 Heart Transplant or Implant of Heart Assist System with MCC

26.2466

DRG	PDx/SDx/Procedure	Codes	Tips
001	Insertion of implantable heart assist system or implantation of total internal biventricular heart replacement system	02HA[0,3,4]QZ	Review operative report carefully to determine extent of all procedures. Implantable ventricular assist devices are attached to the native heart. A total artificial heart (TAH) is an implantable biventricular support device that serves as a total replacement for both ventricles of the failing heart.
	OR		
	Insertion of external heart assist system with removal of existing heart assist system (e.g. replacement, exchange)	02HA[0,4]R[S,Z] 02HA3RS AND 02PA[0,3,4]RZ	Both codes must be reported. Review operative report carefully to determine extent of all procedures. External (sometimes called Percutaneous ventricular assist devices (pVADs) are generally placed through the femoral artery via catheter. Both insertion and removal must be performed.
	OR		
	Removal and revision of heart assist system	02WA[0,3,4][Q,R]Z AND 02PA[0,3,4]RZ	Both codes must be reported. Root operation "Revision" is correcting, to the extent possible, a portion of a malfunctioning device or the position of a displaced device. Removal must be performed in conjunction with revision.
	AND		
	MCC condition	See MCC section	

DRG 216 Cardiac Valve and Other Major Cardiothoracic Procedures with Cardiac Catheterization with MCC

RW 9.4642

No Potential DRGs

DRG 217 Cardiac Valve and Other Major Cardiothoracic Procedures with Cardiac Catheterization with CC

RW 6.2576

Potential DRGs

216 Cardiac Valve and Other Major Cardiothoracic Procedures with Cardiac Catheterization with MCC

9.4642

DRG	PDx/SDx/Procedure	Codes	Tips
216	MCC Condition	See MCC section	

DRG 218 Cardiac Valve and Other Major Cardiothoracic Procedures with Cardiac Catheterization without CC/MCC

RW 5.4815

Potential DRGs

216 Cardiac Valve and Other Major Cardiothoracic Procedures with Cardiac Catheterization with MCC

9.4642

217 Cardiac Valve and Other Major Cardiothoracic Procedures with Cardiac Catheterization with CC

6.2576

DRG	PDx/SDx/Procedure	Codes	Tips
216	MCC Condition	See MCC section	
217	CC Condition	See CC section	

DRG 219 Cardiac Valve and Other Major Cardiothoracic Procedures without Cardiac Catheterization with MCC

RW 7.5590

Potential DRGs

216 Cardiac Valve and Other Major Cardiothoracic Procedures with Cardiac Catheterization with MCC

9.4642

DRG	PDx/SDx/Procedure	Codes	Tips
216	Cardiac catheterization (right, left, bilateral) for measurement of cardiac sampling and pressure, or with angiocardiology (coronary angiography)	4A02[0,3]N6 4A02[0,3]N7 4A02[0,3]N8 B20* B210[0,1,Y]ZZ B211[0,1,Y]ZZ B212[0,1,Y]ZZ	B213[0,1,Y]ZZ B214* B215* B216* B217* B218* B21F*
	OR		
	Catheter based invasive cardiac electrophysiology study	4A023FZ	
	AND		
	MCC condition	See MCC section	

DRG 243 (Continued)

DRG	PDx/SDx/Procedure	Codes	Tips
258	Pacemaker device replacement - insertion with removal of old device	0JH6[0,3][0,7,P]Z 0JH8[0,3][0,7,P]Z	Review record for pacemaker replacement procedure. Two codes must be reported - both removal and insertion.
	AND		
	MCC condition	See MCC section	
260	Cardiac pacemaker revision procedure	0JWT0PZ 0JWT3PZ	Root operation "Revision" is defined as: "Correcting, to the extent possible, a malfunctioning or displaced device" and is coded when the objective of the procedure is to correct the position or function of a previously placed device, without taking the entire device out and putting in a whole new device in its place. Revision can include correcting a malfunctioning device by taking out and/or putting in part, but not all, of the device. Example of pacemaker revision would be adjustment of the position of pacemaker lead without removing or replacing the lead.
	AND		
	MCC condition	See MCC section	

DRG 244 Permanent Cardiac Pacemaker Implant without CC/MCC

RW 2.1394

Potential DRGs

222	Cardiac Defibrillator Implant with Cardiac Catheterization with Acute Myocardial Infarction/Heart Failure/Shock with MCC	8.5188
223	Cardiac Defibrillator Implant with Cardiac Catheterization with Acute Myocardial Infarction/Heart Failure/Shock without MCC	6.4026
224	Cardiac Defibrillator Implant with Cardiac Catheterization without Acute Myocardial Infarction/Heart Failure/Shock with MCC	7.6140
225	Cardiac Defibrillator Implant with Cardiac Catheterization without Acute Myocardial Infarction/Heart Failure/Shock without MCC	5.8561
226	Cardiac Defibrillator Implant without Cardiac Catheterization with MCC	6.9737
227	Cardiac Defibrillator Implant without Cardiac Catheterization without MCC	5.4816
242	Permanent Cardiac Pacemaker Implant with MCC	3.7836
243	Permanent Cardiac Pacemaker Implant with CC	2.6444

DRG	PDx/SDx/Procedure	Codes	Tips
222	Cardiac defibrillator implant	0JH[6,8][0,3]8Z AND 02H4[0,4]KZ 02HN[0,3,4][J,K,M]Z OR 0JH[6,8][0,3]9Z AND 02H[4,6,7][0,3,4]KZ 02H43[J,K,M]Z 02HN[0,3,4][J,K,M]Z OR 02H[6,7,K][0,3,4]KZ AND 0JH[6,8][0,3]8Z OR 02HL[0,3,4]KZ AND 0JH[6,8][0,3][8,9]Z OR 02HL[0,3,4]MZ AND 0JH[6,8][0,3]AZ	Two codes must be reported - both the generator and lead(s) are inserted.
	AND		
	Hypertensive heart and kidney disease with heart failure	I11.0 I13.0 I13.2	
	Acute myocardial infarction, initial episode of care	I21.01 I21.21 I22.1 I21.02 I21.29 I22.2 I21.09 I21.3 I22.8 I21.11 I21.4 I22.9 I21.19 I22.0	A code from category I22, Subsequent MI, is reported when a patient who has suffered an AMI has a new AMI within the 4 week time frame of the initial AMI. A code from category I22 must be used in conjunction with a code from category I21. Sequencing of these codes depends on the circumstances of the encounter.
	Heart failure, all types	I50.1 I50.30 I50.41 I50.20 I50.31 I50.42 I50.21 I50.32 I50.43 I50.22 I50.33 I50.9 I50.23 I50.40	Code first underlying cause.
	Shock, cardiogenic or unspecified	R57.0 R57.9	
	AND		
	Cardiac catheterization (right, left, bilateral) for measurement of cardiac sampling and pressure, or with angiocardiology (coronary angiography)	4A02[0,3]N6 B211[0,1,Y]ZZ B216* 4A02[0,3]N7 B212[0,1,Y]ZZ B217* 4A02[0,3]N8 B213[0,1,Y]ZZ B218* B20* B214* B21F* B210[0,1,Y]ZZ B215*	
	AND		
	MCC condition	See MCC section	

Numeric Lists of CCs and MCCs

Numeric CC List

A00.0	A08.32	A24.2	A39.84	A52.01	A69.21	A92.9	B08.71	B40.9
A00.1	A08.39	A24.3	A39.89	A52.02	A69.22	A93.0	B15.9	B41.0
A00.9	A09	A24.9	A39.9	A52.03	A69.23	A93.1	B16.1	B41.7
A01.00	A15.0	A25.0	A42.0	A52.04	A69.29	A93.2	B16.9	B41.8
A01.01	A15.4	A25.1	A42.1	A52.05	A70	A93.8	B17.0	B41.9
A01.02	A15.5	A25.9	A42.2	A52.06	A75.0	A94	B17.10	B44.1
A01.03	A15.6	A27.0	A42.81	A52.09	A75.1	A95.0	B17.2	B44.2
A01.04	A15.7	A27.89	A42.82	A52.10	A75.2	A95.1	B17.8	B44.7
A01.05	A15.8	A27.9	A42.89	A52.11	A75.3	A95.9	B17.9	B44.81
A01.09	A15.9	A28.0	A42.9	A52.12	A75.9	A96.0	B18.0	B44.89
A01.1	A17.9	A28.1	A43.0	A52.15	A77.0	A96.1	B18.1	B44.9
A01.2	A18.01	A28.2	A43.1	A52.16	A77.1	A96.8	B18.8	B45.0
A01.3	A18.02	A28.8	A43.8	A52.17	A77.2	A96.9	B18.9	B45.2
A01.4	A18.03	A28.9	A43.9	A52.19	A77.3	A98.0	B19.10	B45.3
A02.0	A18.09	A30.0	A44.0	A52.2	A77.40	A98.1	B19.9	B45.7
A02.23	A18.10	A30.1	A44.1	A52.3	A77.41	A98.2	B25.1	B45.8
A02.24	A18.11	A30.2	A44.8	A52.71	A77.49	A98.5	B25.8	B45.9
A02.25	A18.12	A30.3	A44.9	A52.72	A77.8	A98.8	B25.9	B47.0
A02.29	A18.13	A30.4	A48.51	A52.73	A77.9	A99	B26.0	B47.1
A02.8	A18.14	A30.5	A48.52	A52.74	A78	B00.2	B26.3	B47.9
A02.9	A18.15	A30.8	A50.01	A52.75	A79.0	B00.50	B26.81	B48.2
A03.0	A18.16	A30.9	A50.02	A52.76	A79.1	B00.51	B26.82	B48.3
A04.0	A18.17	A31.0	A50.03	A52.77	A79.81	B00.52	B26.83	B48.4
A04.1	A18.18	A31.1	A50.04	A52.78	A79.89	B00.53	B26.84	B48.8
A04.2	A18.2	A31.2	A50.05	A52.79	A79.9	B00.59	B26.85	B49
A04.3	A18.32	A31.8	A50.06	A54.00	A81.00	B00.81	B26.89	B50.0
A04.4	A18.39	A31.9	A50.07	A54.01	A81.01	B00.89	B33.1	B50.8
A04.5	A18.4	A32.0	A50.08	A54.02	A81.09	B01.0	B33.20	B51.0
A04.6	A18.50	A32.11	A50.09	A54.03	A81.1	B01.81	B33.21	B51.8
A04.7	A18.51	A32.12	A50.2	A54.09	A81.2	B01.89	B33.22	B51.9
A04.8	A18.52	A32.81	A50.30	A54.1	A81.81	B01.9	B33.23	B52.0
A04.9	A18.53	A32.82	A50.31	A54.21	A81.82	B02.0	B33.4	B52.8
A05.0	A18.54	A32.89	A50.32	A54.22	A81.83	B02.21	B34.3	B52.9
A05.1	A18.59	A32.9	A50.39	A54.23	A81.89	B02.22	B37.0	B53.0
A05.2	A18.6	A34	A50.40	A54.24	A81.9	B02.23	B37.41	B53.1
A05.3	A18.7	A36.0	A50.43	A54.29	A82.0	B02.29	B37.49	B53.8
A05.4	A18.81	A36.1	A50.44	A54.30	A82.1	B02.30	B37.81	B54
A05.5	A18.82	A36.2	A50.45	A54.31	A82.9	B02.31	B37.82	B55.0
A05.8	A18.83	A36.3	A50.49	A54.32	A85.0	B02.32	B37.83	B55.1
A06.0	A18.84	A36.81	A50.51	A54.33	A85.1	B02.33	B37.84	B55.2
A06.1	A18.85	A36.82	A50.52	A54.39	A85.8	B02.34	B37.89	B55.9
A06.2	A18.89	A36.83	A50.53	A54.40	A86	B02.39	B38.0	B56.0
A06.3	A21.0	A36.84	A50.54	A54.41	A87.0	B02.7	B38.1	B56.1
A06.81	A21.1	A36.85	A50.55	A54.42	A87.1	B02.8	B38.2	B56.9
A06.82	A21.2	A36.86	A50.56	A54.43	A87.2	B03	B38.3	B57.0
A06.89	A21.3	A36.89	A50.57	A54.49	A87.8	B04	B38.7	B57.1
A07.1	A21.7	A36.9	A50.59	A54.82	A87.9	B05.1	B38.81	B57.2
A07.2	A21.8	A37.00	A51.31	A54.83	A88.0	B05.4	B38.89	B57.30
A07.3	A21.9	A37.10	A51.32	A54.84	A88.8	B05.81	B38.9	B57.31
A07.4	A22.0	A37.80	A51.39	A54.85	A89	B05.89	B39.3	B57.32
A07.8	A22.2	A37.90	A51.42	A54.89	A90	B06.00	B40.0	B57.39
A07.9	A22.8	A38.0	A51.43	A54.9	A91	B06.02	B40.1	B57.40
A08.0	A22.9	A38.1	A51.44	A68.0	A92.0	B06.09	B40.2	B57.41
A08.11	A23.8	A38.8	A51.45	A68.1	A92.1	B06.81	B40.3	B57.42
A08.19	A23.9	A38.9	A51.46	A68.9	A92.2	B06.82	B40.7	B57.49
A08.2	A24.0	A39.82	A51.49	A69.1	A92.4	B06.89	B40.81	B57.5
A08.31	A24.1	A39.83	A52.00	A69.20	A92.8	B08.3	B40.89	B58.00