



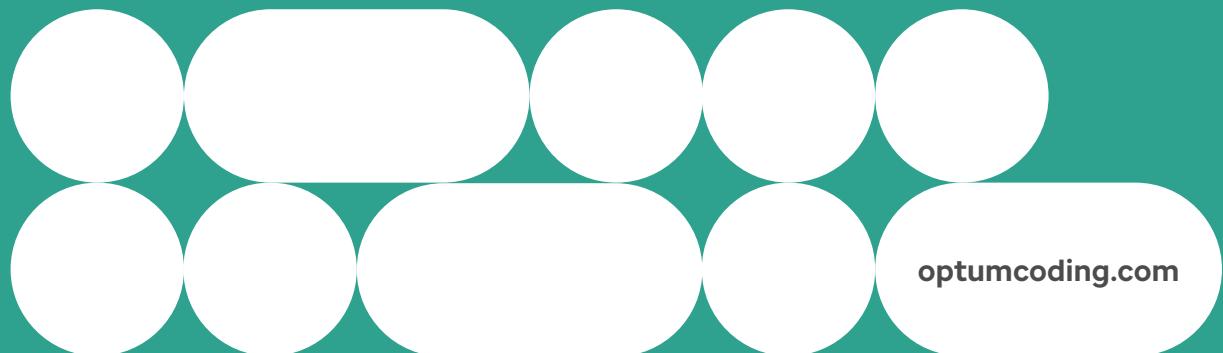
Desk Reference

DRG Desk Reference

The ultimate resource for improving
MS-DRG assignment practices

SAMPLE

2027



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Introduction

The *DRG Desk Reference* is the most comprehensive diagnosis-related group (DRG) resource offering a simplified solution to DRG assignment practices. This portable desk reference is ideal for the coder, DRG/ utilization review coordinators, and compliance auditors to efficiently and effectively manage hospital financial success through easy access to critical coding information. This resource primarily provides:

- Information on the basic characteristics of MS-DRG classification
- Tools to facilitate understanding of MS-DRG grouping and reimbursement methodologies, including optimizing tips for all MDCs.

Basic Steps of Accurate DRG Assignment

There are three basic steps of accurate DRG assignment.

- Step 1:** assign the working DRG accurately using a DRG guide.
- Step 2:** assess the working DRG assignment using all the information in the completed medical record to identify any conditions that cause higher facility resource use and, therefore, may qualify for higher reimbursement.
- Step 3:** determine whether all the required documentation is present to support assignment of the DRG.

The *DRG Desk Reference* primarily provides all the necessary information to complete steps 2 and 3 of the DRG assignment process.

Basic Characteristics of MS-DRG Classification

An MS-DRG is one of 773 groups (version 42.0) that classify patients into clinically cohesive groups that demonstrate similar consumption of hospital resources and length-of-stay patterns.

The MS-DRG system organizes ICD-10-CM/PCS diagnosis and procedure codes into a complex, comprehensive system based on a few simple principles.

Understanding how the MS-DRG system works enables providers to recover the appropriate payment for services rendered, which is consistent with the intent of the federal government when it devised the DRG system. The *DRG Desk Reference* assists providers in understanding MS-DRGs, thus ensuring appropriate payment.

In addition to calculating reimbursement, MS-DRGs have two major functions. The first is to help evaluate the quality of care. Not only are critical pathways designed around MS-DRGs, but benchmarking and outcomes analysis can be launched using the MS-DRG clinical framework, and quality reviews can be performed to assess coding practices and physician documentation. Ongoing education of physicians, coders, clinical documentation specialists, nurses, and utilization review personnel can be guided by the results of MS-DRG analysis.

Second, MS-DRGs assist in evaluating utilization of services. Each MS-DRG represents the average resources needed to treat patients grouped to that MS-DRG relative to the national average of resources used to treat all Medicare patients. The MS-DRG assigned to each hospital inpatient stay also relates to the hospital case mix (i.e., the types of patients the hospital treats). A hospital's Medicare population case complexity is measured by calculation of the case-mix index (CMI), which is an average of all MS-DRG relative weights for the facility during a given period of time. The higher the case-mix index, the more complex the patient population and the higher the required level of

resources utilized. Since severity is such an essential component of MS-DRG assignment and case-mix index calculation, documentation and code assignment to the highest degree of accuracy and specificity are of the utmost importance.

Medicare computes the case-mix adjustment for each fiscal year for all hospitals based upon the case-mix data received. This CMI is then used to adjust the hospital base rate, which is a factor in computing the total hospital payment under IPPS. The formula for computing the hospital payment for each MS-DRG is as follows:

$$\text{DRG Relative Weight} \times \text{Hospital Base Rate} = \text{Hospital Payment}$$

The hospital case-mix complexity includes the following patient attributes:

- Severity of illness—the level of loss of function or mortality associated with disease
- Prognosis—defined as probable outcome of illness
- Treatment difficulty—patient management problems
- Need for intervention—severity of illness that would result due to lack of immediate or continuing care
- Resource intensity—volume and types of services required for patient management

The MS-DRG system was developed to relate case mix to resource utilization. Reimbursement is adjusted to reflect the resource utilization and does not take into consideration severity of illness, prognosis, treatment difficulty, or need for intervention.

Case mix and complexity can be analyzed and monitored in relation to cost and utilization of services. In addition, high-volume conditions and services can be identified and monitored, and MS-DRG trend analysis can aid in forecasting future staff and facility requirements. One important operating parameter is the CMI, which measures the cost of a hospital's Medicare patient mix in relation to the cost of all Medicare patients. A low case mix may indicate unnecessary revenue loss.

MDC Categories

All possible principal diagnoses are divided into 25 mutually exclusive categories, referred to as major diagnostic categories (MDC). The diagnoses that define each MDC fall under the umbrella of a single organ system or etiology and are usually grouped by medical specialty, as in MDC 19 Mental Diseases and Disorders, or MDC 14 Pregnancy, Childbirth and the Puerperium. Some cases, such as transplants and tracheostomies, require extremely high resources and may be performed for a variety of different conditions. These cases are assigned to a PRE-MDC DRG, meaning that the Grouper logic's hierarchy for these procedures is higher than that of the principal diagnosis typically used to determine the MS-DRG.

MDC Categories

- Pre-MDC Heart Transplant or Implant of Heart Assist System (MS-DRGs 001-002)
- ECMO or Tracheostomy with Mechanical Ventilation > 96 Hours or PDX Except Face, Mouth & Neck with Major O.R. Procedure (MS-DRG 003)
- Tracheostomy with Mechanical Ventilation > 96 Hours or PDX Except Face, Mouth & Neck without Major O.R. Procedure (MS-DRG 004)
- Liver Transplant or Intestinal Transplant (MS-DRG 005-006)
- Lung Transplant (MS-DRG 007)
- Simultaneous Pancreas/Kidney Transplant (MS-DRG 008)
- Pancreas Transplant (MS-DRG 010)

Optimizing Tips

Introduction

This section lists each MS-DRG, any “potential DRGs” to which the case may be reassigned, and outlines key elements needed from the medical record documentation in order to group to the potential DRG.

Because of the complexity found in MS-DRG grouper logic, it would not be practical to account for every element needed to optimize a case from a working DRG to a potential DRG. Instead, this resource has simplified the logic, identifying the basic elements typically needed to optimize. Do not assume that an MS-DRG listed as nonoptimized can never be optimized or that the list of potential DRGs is all inclusive. It is entirely possible that a very unusual combination of diagnoses or procedures could legitimately offer optimization potential.

Major Complication/Comorbidity (MCC) and Complication/Comorbidity (CC) Diagnoses

DRG Desk Reference assumes that any MCC or CC condition that is used to group to the working DRG can also be used to group to the potential DRGs.

Example:

In the family of DRGs 011–013, all have relative weights that are more than DRG 146 and, therefore, all could be potential DRGs.

DRG 146 Ear, Nose, Mouth and Throat Malignancy with MCC

RW 2.2939

DRG 011 Tracheostomy for Face, Mouth, and Neck Diagnoses or Laryngectomy with MCC

RW 5.3956

DRG 012 Tracheostomy for Face, Mouth, and Neck Diagnoses or Laryngectomy with CC

RW 4.1034

DRG 013 Tracheostomy for Face, Mouth, and Neck Diagnoses or Laryngectomy without CC/MCC

RW 2.6498

However, *DRG Desk Reference* only lists DRG 011 as a potential DRG.

DRG 146 Ear, Nose, Mouth and Throat Malignancy with MCC

RW 2.2939

Potential DRGs

DRG 011 Tracheostomy for Face, Mouth, and Neck Diagnoses or Laryngectomy with MCC

Because the presence of an MCC did not change, it would not be possible to group to DRGs 012 and 013 as these do not require an MCC.

Resequencing

It is important to understand that resequencing or reassigning codes can also change the MCC and/or CC status for a case.

Example:

DRG 025 Craniotomy and Endovascular Intracranial Procedures with MCC

RW 4.4720

Potential DRGs

DRG 020 Intracranial Vascular Procedures with Principal Diagnosis of Hemorrhage with MCC

8.0605

A coder is reviewing a case that has been grouped to the working DRG of 025. After looking at the optimization tips in *DRG Desk Reference*, the coder realizes that by resequencing a cerebral hemorrhage code to PDX, the case can be reassigned to a higher DRG 020. At the working DRG, the cerebral hemorrhage functions as an MCC but after resequencing this code, an MCC is no longer present.

Although the case can still be reassigned to the MS-DRG family of 020–022, optimizing to DRG 020 may not be possible unless another MCC condition is present.

CC Exclusions

CC exclusions are also important factors to consider when grouping a case. There are MCC and CC conditions that when paired with a certain principal diagnosis are excluded from acting as MCCs or CCs. It is entirely possible that when trying to optimize a case, the resequencing or reassignment of the principal diagnosis can then exclude any current condition functioning as an MCC or CC.

Example:

Principal diagnosis	T81.718A	Complication of other artery following a procedure, not elsewhere classified, initial encounter
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MCC condition	I26.99	Other pulmonary embolism without acute cor pulmonale
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Appendix C of the *ICD-10-CM/PCS, MS-DRG v42.0 Definitions Manual* lists MCC condition I26.99 as being excluded from functioning as an MCC when the principal diagnosis is T81.718A. Instead of this case grouping to DRG 299 Peripheral Vascular Disorders with MCC, it will instead group to 301 Peripheral Vascular Disorders without CC/MCC. Optimization to DRG 300 or DRG 299 will depend on the presence of a CC condition or an additional MCC condition other than I26.99.

DRG 465 Wound Debridement and Skin Graft Except Hand for Musculoskeletal and Connective Tissue Disorders without CC/MCC RW 1.7359
Potential DRGs

463	Wound Debridement and Skin Graft Except Hand for Musculoskeletal and Connective Tissue Disorders with MCC	5.4007
464	Wound Debridement and Skin Graft Except Hand for Musculoskeletal and Connective Tissue Disorders with CC	2.9486
570	Skin Debridement with MCC	3.0104
573	Skin Graft for Skin Ulcer or Cellulitis with MCC	6.1578
574	Skin Graft for Skin Ulcer or Cellulitis with CC	3.4647
576	Skin Graft Except for Skin Ulcer or Cellulitis with MCC	5.3949
577	Skin Graft Except for Skin Ulcer or Cellulitis with CC	2.6626
622	Skin Grafts and Wound Debridement for Endocrine, Nutritional and Metabolic Disorders with MCC	3.7440
901	Wound Debridements for Injuries with MCC	4.4302
904	Skin Grafts for Injuries with CC/MCC	3.8609

DRG	PDX/SDx/Procedure	Tips
463	MCC condition	See appendix B.
464	CC condition	See appendix B.
570	Diagnosis from MDC 9 other than skin ulcer or cellulitis AND Excisional debridement of wound, infection, or burn	The ICD-10-PCS definition of the root operation Excision is "Cutting out or off, without replacement, a portion of a body part." Debridement by excision involves cutting with a sharp instrument such as a scalpel or other methods such as a hot knife or laser. Non-excisional debridement of skin is coded to root operation Extraction. Ensure that documentation includes instruments used, technique, and depth of debridement procedure.
	AND MCC condition	See appendix B.
573	Skin ulcer or cellulitis principal diagnosis AND Skin grafting procedure AND MCC condition	See appendix B.
574	Skin ulcer or cellulitis principal diagnosis AND Skin grafting procedure AND CC condition	See appendix B.
576	Diagnosis from MDC 9 other than skin ulcer or cellulitis AND Skin grafting procedure AND MCC condition	See appendix B.
577	Diagnosis from MDC 9 other than skin ulcer or cellulitis AND Skin grafting procedure AND CC condition	See appendix B.
622	Diabetes (type 1, type 2, other specified) with ketoacidosis, hyperosmolarity, other coma, other and unspecified complications Diabetic foot or other skin ulcer principal diagnosis AND Excisional debridement of wound, infection, or burn	See DRG 570.
	AND MCC condition	See appendix B.
901	Injury diagnosis from MDC 21 AND Excisional debridement of wound, infection, or burn	See DRG 570.
	AND MCC condition	See appendix B.
904	Injury diagnosis from MDC 21 AND Skin grafting procedure AND CC/MCC condition	See appendix B.

DRG 466 Revision of Hip or Knee Replacement with MCC RW 5.0943
Potential DRGs

461	Bilateral or Multiple Major Joint Procedures of Lower Extremity with MCC	5.9904
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DRG	PDX/SDx/Procedure	Tips
461	Any combination of partial or total knee, hip or ankle joint replacement procedures AND MCC condition	See appendix B.

ICD-10-CM/PCS Codes by MS-DRG

This section lists each MS-DRG and includes a list of diagnosis and procedure codes specific to that MS-DRG. This list of codes is for data purposes only and does not include the full complex DRG logic. For full MS-DRG logic with associated codes and descriptions, see Optum's 2026 DRG Expert.

Some numeric codes are followed by an asterisk, which indicates that the ICD-10 code is incomplete and represents a sequence or range of codes. Refer to the ICD-10-CM or ICD-10-PCS code book for the specific codes included in the range.

MDC PRE

DRG 001	Tracheostomy	DRG 007	AND	C85.11	K04*	Q37.4	S02.413B	S07.1XXA	S19.83XA	
Heart Transplant	Operating or	Operating Room	Operating Room	C85.21	K05*	Q37.5	S02.42XA	S07.8XXA	S19.84XA	
Operating Room	Nonoperating	Procedures	Procedures	C85.81	K06*	Q37.8	S02.42XB	S07.9XXA	S19.85XA	
Procedures	Room Procedures	ØFYG*	ØFYG*	C85.91	K08.0	Q37.9	S02.600A	S08.811A	S19.89XA	
02YA0Z0	ØB110F4	ØBYC0Z1	ØFYC0Z0	C86.0*	K08.1*	Q38.0	S02.600B	S08.812A	S19.9XXA	
02YA0Z1	ØB110Z4	ØBYC0Z2	ØFYC0Z0	C91.40	K08.2*	Q38.1	S02.601A	S09.0XXA	T17.200A	
02YA0Z2	ØB113F4	ØBYD0Z0	ØFYD0Z0	C96.0	K08.3	Q38.2	S02.601B	S09.10XA	T17.208A	
OR	ØB113Z4	ØBYD0Z1	ØFYD0Z0	C96.2*	K08.4*	Q38.3	S02.602A	S09.11XA	T17.210A	
Heart Transplant	ØB114F4	ØBYD0Z2	ØCTS0Z2	C96.9	K08.5*	Q38.4	S02.602B	S09.19XA	T17.218A	
Procedure	ØB114Z4	ØBYF0Z0	ØCTS4ZZ	C96.A	K08.8*	Q38.6	S02.609A	S09.8XXA	T17.220A	
Combination	AND EITHER	ØFYF0Z1	ØCTS5ZZ	D00.0*	K08.9	Q38.7	S02.609B	S09.90XA	T17.228A	
02RK0JZ	Any principal	ØFYF0Z2	ØCTS5ZZ	D02.0	K09*	Q38.8	S02.610A	S09.92XA	T17.290A	
AND	diagnosis EXCEPT	ØFYG0Z0	ØCTS8ZZ	D10*	K11*	R04.1	S02.610B	S09.93XA	T17.298A	
02RL0JZ	mouth, larynx	ØFYG0Z1	ØFYG0Z2	OR	D11*	K12.0	S02.611A	S11.011A	T17.300A	
OR	and pharynx	ØFYG0Z2	ØFYH0Z0	Principal	D14.0	K12.1	R68.2	S02.611B	S11.012A	T17.308A
Implant of Heart	disorders listed	ØFYH0Z1	ØFYH0Z1	Diagnosis	D14.1	K12.2	S02.612A	S11.013A	T17.310A	
Assist System	under DRG 011	ØFYH0Z2	ØFYH0Z2	A36.0	D16.4	K12.3*	S02.612B	S11.014A	T17.318A	
Operating Room	OR	ØFYJ0Z0	ØFYJ0Z0	A36.1	D16.5	K13.0	S02.620A	S11.015A	T17.320A	
Procedures	Mechanical	ØFYJ0Z1	ØFYJ0Z1	A36.2	D18.00	K13.1	S02.620B	S11.019A	T17.328A	
02HA0QZ	Nonoperating	ØFYJ0Z2	ØFYJ0Z2	A54.5	D18.01	K13.2*	S02.621A	S11.021A	T17.390A	
02HA0RZ	Room Procedure	ØFYK0Z0	ØFYK0Z0	A66.5	D18.09	K13.3	S02.621B	S11.022A	T17.398A	
02HA3QZ	5A1955Z	ØFYK0Z1	ØFYK0Z1	D34	K13.4	S02.622A	S11.023A	T18.0XXA		
02HA4QZ	AND	ØFYK0Z2	ØFYK0Z2	A69.0	D37.0*	K13.5	S02.622B	S11.024A	T28.0XXA	
02RA0LZ	Any O.R.	ØFYL0Z0	ØFYL0Z0	A69.1	D38.0	K13.6	S02.630A	S11.025A	T28.5XXA	
02RA0MZ	procedure not	ØFYL0Z1	ØFYL0Z2	B00.2	E03.4	K13.7*	S02.630B	S11.029A	Z85.21	
OR	listed in DRGs	ØFYL0Z2	ØFYL0Z2	B08.5	E04.1	K14.0	S02.631A	S11.031A	Z85.810	
Implant of Heart	987-989	ØFYM0Z0	ØFYM0Z3	B37.0	E05*	K14.1	S02.631B	S11.032A	Z85.818	
Assist System	ØFYM0Z1	ØFYM0Z3	ØFYM0Z2	B37.83	E06*	K14.2	S02.632A	S11.033A	Z85.819	
Procedure	ØFYM0Z2	ØFYM0Z2	ØFYM0Z2	C00*	E07.89	K14.3	S02.632B	S11.034A	AND	
Combinations	ØFYM0Z2	ØFYM0Z2	ØFYM0Z2	C01	E07.9	K14.4	S02.640A	S11.035A	Tracheostomy	
02HA0RS	Select	ØFYM0Z2	ØFYM0Z2	C02*	E35	K14.5	S02.640B	S11.039A	Operating or	
02HA0RZ	tracheostomy	ØFYM0Z2	ØFYM0Z2	C03*	G47.2*	K14.6	S02.641A	S11.10XA	Nonoperating	
02HA3RS	operating or	ØFYM0Z2	ØFYM0Z2	C04*	G47.3*	K14.8	S02.641B	S11.11XA	Room Procedures	
02HA4RS	nonoperating	ØFYM0Z2	ØFYM0Z2	C05*	G47.5*	K14.9	S02.642A	S11.12XA	ØB110F4	
02HA4RZ	room procedures	ØFYM0Z2	ØFYM0Z2	C06*	G47.6*	L02.01	S02.642B	S11.13XA	ØB110Z4	
02WA0QZ	listed under DRG	ØFYM0Z2	ØFYM0Z2	C07	G47.8	L02.11	S02.644A	S11.14XA	ØB113F4	
02WA0RZ	003	ØFYM0Z2	ØFYM0Z2	C08*	J00	L03.2*	S02.6449A	S11.15XA	ØB113Z4	
02WA3QZ	AND EITHER	ØFYM0Z2	ØFYM0Z2	E08*	C09*	M26.0*	S02.645A	S11.20XA	ØB114F4	
02WA3RZ	Any principal	ØFYM0Z2	ØFYM0Z2	E10*	C09*	M26.1*	S02.651A	S11.21XA	ØB114Z4	
02WA4QZ	diagnosis EXCEPT	ØFYM0Z2	ØFYM0Z2	E11*	C10*	M26.1*	S02.651B	S11.22XA	DRG 004	
02WA4RZ	mouth, larynx	ØFYM0Z2	ØFYM0Z2	E13*	C11*	M26.2*	S02.652A	S11.23XA	Select	
AND	and pharynx	ØFYM0Z2	ØFYM0Z2	E89.1	C12	M26.3*	S02.652B	S11.24XA	laryngectomy	
02PA0RZ	disorders listed	ØFYM0Z2	ØFYM0Z2	C13*	J04.3*	M26.4	S02.651A	S11.25XA	operating room	
02PA3RZ	under DRG 011	ØFYM0Z2	ØFYM0Z2	C14*	J05*	M26.5*	S02.651B	S11.80XA	procedures listed	
02PA4RZ	ØFYM0Z2	ØFYM0Z2	ØFYM0Z2	C30*	J06*	M26.6*	S02.670A	S11.81XA	under DRG 011	
02PW3RZ	Diagnosis	ØFYM0Z2	ØFYM0Z2	C31*	J31.1	M26.7*	S02.670B	S11.82XA	OR	
OR	Select mechanical	ØFYM0Z2	ØFYM0Z2	C32*	J31.2	M26.8*	S02.671A	S11.83XA	Select principal	
02WW3RZ	ventilation	ØFYM0Z2	ØFYM0Z2	I12.0	C39.0	M26.9	S02.671B	S11.84XA	diagnosis listed	
AND	nonoperating	ØFYM0Z2	ØFYM0Z2	I13.11	C41.1	M27.0	S02.672A	S11.85XA	under DRG 011	
02PA0RZ	room procedure	ØFYM0Z2	ØFYM0Z2	I13.2	C44.0*	M27.1	S02.672B	S11.86XA	AND	
02PA3RZ	listed under DRG	ØFYM0Z2	ØFYM0Z2	I18*	C46.2	M27.2	S02.699A	S11.89XA	Select tracheostomy	
02PA4RZ	003	ØFYM0Z2	ØFYM0Z2	Z94.0	C46.2	M27.3	S02.699B	S11.90XA	operating or	
02PA4RZ	ØFYM0Z2	ØFYM0Z2	ØFYM0Z2	Z96.49	C73	M27.3	S02.80XA	S11.91XA	nonoperating	
OR	ØFYM0Z2	ØFYM0Z2	ØFYM0Z2	Z96.89	C76.0	M27.4*	S02.80XB	S11.92XA	room procedures	
02HA0RZ	DRG 005	ØFYM0Z2	ØFYM0Z2	Z96.9	C77.0	M27.5*	S02.31XA	S11.93XA	listed under DRG	
AND	Liver Transplant	ØFYM0Z2	ØFYM0Z2	C81.01	J36	M27.6*	S02.81XA	S11.94XA	011	
02HA0RZ	Kidney Transplant	ØFYM0Z2	ØFYM0Z2	C81.11	J37.0	M27.8	S02.31XB	S11.95XA	DRG 002	
X2HX0F9	Operating Room	ØFYM0Z2	ØFYM0Z2	C81.21	J37.1	M27.9	S02.32XA	S12.8XXA	Select operating	
OR	Procedures	ØFYM0Z2	ØFYM0Z2	C81.31	J38.0*	Q31.0	S02.32XB	S12.8XXA	room	
02HA3RZ	ØFY00Z0	ØFY00Z1	ØFY00Z0	C81.41	J38.1	Q31.1	S02.400A	S15.101A	procedures	
AND	ØFY00Z2	ØFY00Z2	ØFY00Z2	C81.71	J38.2	Q31.2	S02.400B	S15.102A	listed	
X2HL0F9	ØTY00Z2	ØTY00Z2	ØTY00Z2	C82.01	J38.4	Q31.5	S02.401B	S15.109A	under DRG	
X2HM0F9	ØTY10Z0	ØTY10Z1	ØTY10Z0	C82.11	J38.5	Q31.8	S02.402A	S15.111A	011	
Intestinal	ØTY10Z1	ØTY10Z2	ØTY10Z1	C82.21	J38.6	Q31.9	S02.402B	S15.112A	DRG 013	
Transplant	ØTY10Z2	ØTY10Z2	ØTY10Z2	C82.31	J38.7	Q32.0	S02.404AA	S15.119A	Select	
DRG 002	Operating Room	ØTY10Z2	ØTY10Z2	C82.41	J39.0	Q32.1	S02.404AB	S15.121A	laryngectomy	
Select operating	Procedures	ØTY10Z2	ØTY10Z2	C82.51	J39.1	Q32.2	S02.404BA	S15.122A	operating room	
room procedures	ØTY10Z2	ØTY10Z2	ØTY10Z2	C82.61	J39.2	Q32.3	S02.404BB	S15.191A	procedures	
OR any procedure	ØTY10Z2	ØTY10Z2	ØTY10Z2	C82.81	J39.3	Q32.4	S02.404CA	S15.192A	listed under DRG	
combinations	ØTY10Z2	ØTY10Z2	ØTY10Z2	C82.91	J39.8	Q35.1	S02.404CB	S15.199A	011	
listed under DRG	ØTY10Z2	ØTY10Z2	ØTY10Z2	C83.01	J39.9	Q35.3	S02.404DA	S15.8XXA	AND	
001	ØTY10Z2	ØTY10Z2	ØTY10Z2	C83.31	J95.0*	Q35.5	S02.404DB	S15.9XXA	Select	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C83.51	J98.0*	Q35.7	S02.404EA	S16.2XXA	tracheostomy	
DRG 006	Operating Room	ØTY10Z2	ØTY10Z2	C83.71	K00*	Q35.9	S02.404EB	S16.8XXA	operating or	
ECMO Operating	Procedures	ØTY10Z2	ØTY10Z2	C83.81	K01*	Q36.0	S02.404FA	S16.9XXA	nonoperating	
or Nonoperating	ØTY10Z2	ØTY10Z2	ØTY10Z2	C83.91	K02.3	Q36.1	S02.404FB	S17.0XXA	room procedures	
Room Procedures	ØTY10Z2	ØTY10Z2	ØTY10Z2	E08*	C84.01	Q36.9	S02.411A	S17.8XXA	listed under DRG	
5A1522F	ØFY00Z0	ØFY00Z1	ØFY00Z0	E09*	C84.11	K02.6*	S02.411B	S17.9XXA	011	
5A1522G	ØFY00Z1	ØFY00Z2	ØFY00Z1	E10*	C84.91	K02.7	S02.412A	S19.80XA	AND	
5A1522H	ØFY00Z2	ØFY00Z2	ØFY00Z2	E11*	C84.91	K02.9	S02.412B	S19.81XA	Select	
OR	E11*	C84.91	C84.91	E13*	C84.91	Q37.2	S02.412C	S19.82XA	tracheostomy	
E13*	C84.91	C84.91	C84.91	E89.1	C84.Z1	Q37.3	S02.413A	S19.8XXA	operating or	
E89.1	C84.Z1	C84.Z1	C84.Z1	C85.51	C90.0*	Q37.4	S02.92XA	S16.2XXA	nonoperating	
DRG 010	DRG 006	DRG 006	DRG 006	C85.71	C90.0*	Q37.5	S02.92XB	S16.8XXA	room procedures	
DRG 006	Operating Room	DRG 006	DRG 006	C85.81	C90.1*	Q37.6	S02.400A	S16.9XXA	listed under DRG	
ECMO Operating	Procedures	DRG 006	DRG 006	C85.91	C90.2*	Q37.7	S02.400B	S17.0XXA	011	
or Nonoperating	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.01	C90.3*	Q37.8	S02.401A	S17.8XXA	AND	
Room Procedures	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.11	C90.4*	Q37.9	S02.401B	S17.9XXA	Select	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.21	C90.5*	Q38.0	S02.402A	S18.0XXA	tracheostomy	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.31	C90.6*	Q38.1	S02.402B	S18.1XXA	operating or	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.41	C90.7*	Q38.2	S02.403A	S18.2XXA	nonoperating	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.51	C90.8*	Q38.3	S02.403B	S18.3XXA	room procedures	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.61	C90.9*	Q38.4	S02.404A	S18.4XXA	listed under DRG	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.71	C90.10*	Q38.5	S02.404B	S18.5XXA	011	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.81	C90.11*	Q38.6	S02.405A	S18.6XXA	AND	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C86.91	C90.12*	Q38.7	S02.405B	S18.7XXA	Select	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C87.01	C90.13*	Q38.8	S02.406A	S18.8XXA	tracheostomy	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C87.11	C90.14*	Q38.9	S02.406B	S18.9XXA	operating or	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C87.21	C90.15*	Q39.0	S02.407A	S19.0XXA	nonoperating	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C87.31	C90.16*	Q39.1	S02.407B	S19.1XXA	room procedures	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C87.41	C90.17*	Q39.2	S02.408A	S19.2XXA	listed under DRG	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C87.51	C90.18*	Q39.3	S02.408B	S19.3XXA	011	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C87.61	C90.19*	Q39.4	S02.409A	S19.4XXA	AND	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2	C87.71	C90.20*	Q39.5	S02.409B	S19.5XXA	Select	
ØTY10Z2	ØTY10Z2	ØTY10Z2	ØTY10Z2							

Appendix B: Numeric Lists of CCs and MCCs

Numeric CC List

A00.0	A18.10	A32.82	A51.31	A75.1	B00.50	B37.49	B57.40	B74.9	C24.9
A00.1	A18.11	A32.89	A51.32	A75.2	B00.51	B37.81	B57.41	B75	C25.0
A00.9	A18.12	A32.9	A51.39	A75.3	B00.52	B37.82	B57.42	B76.0	C25.1
A01.00	A18.13	A34	A51.42	A75.9	B00.53	B37.83	B57.49	B76.1	C25.2
A01.01	A18.14	A36.Ø	A51.43	A77.Ø	B00.59	B37.84	B57.5	B76.8	C25.3
A01.02	A18.15	A36.1	A51.44	A77.1	B00.81	B37.89	B58.00	B76.9	C25.4
A01.03	A18.16	A36.2	A51.45	A77.2	B00.89	B38.0	B58.01	B77.0	C25.7
A01.04	A18.17	A36.3	A51.46	A77.3	B01.0	B38.1	B58.09	B77.89	C25.8
A01.05	A18.18	A36.81	A51.49	A77.40	B01.81	B38.2	B58.1	B77.9	C25.9
A01.09	A18.2	A36.82	A52.00	A77.41	B01.89	B38.3	B58.82	B78.0	C33
A01.1	A18.32	A36.83	A52.01	A77.49	B01.9	B38.7	B58.83	B78.7	C34.00
A01.2	A18.39	A36.84	A52.02	A77.8	B02.0	B38.81	B58.89	B78.9	C34.01
A01.3	A18.4	A36.85	A52.03	A77.9	B02.21	B38.89	B58.9	B79	C34.02
A01.4	A18.50	A36.86	A52.04	A78	B02.22	B38.9	B60.00	B80	C34.10
A02.0	A18.51	A36.89	A52.05	A79.0	B02.23	B39.3	B60.01	B81.0	C34.11
A02.23	A18.52	A36.9	A52.06	A79.1	B02.29	B40.0	B60.02	B81.1	C34.12
A02.24	A18.53	A37.Ø0	A52.09	A79.81	B02.30	B40.1	B60.03	B81.2	C34.2
A02.25	A18.54	A37.10	A52.10	A79.82	B02.31	B40.2	B60.09	B81.3	C34.30
A02.29	A18.59	A37.80	A52.11	A79.89	B02.32	B40.3	B60.10	B81.4	C34.31
A02.8	A18.6	A37.90	A52.12	A79.9	B02.33	B40.7	B60.19	B81.8	C34.32
A02.9	A18.7	A38.Ø	A52.15	A81.00	B02.34	B40.81	B60.2	B82.0	C34.80
A03.0	A18.81	A38.1	A52.16	A81.01	B02.39	B40.89	B65.0	B97.21	C34.81
A04.0	A18.82	A38.8	A52.17	A81.09	B02.7	B40.9	B65.1	B97.33	C34.82
A04.1	A18.83	A38.9	A52.19	A81.1	B02.8	B41.0	B65.2	B97.34	C34.90
A04.2	A18.84	A39.82	A52.2	A81.2	B03	B41.7	B65.3	B97.35	C34.91
A04.3	A18.85	A39.83	A52.3	A81.81	B04	B41.8	B65.8	C15.3	C34.92
A04.4	A18.89	A39.84	A52.71	A81.82	B05.1	B41.9	B65.9	C15.4	C37
A04.5	A21.Ø	A39.89	A52.72	A81.83	B05.4	B44.1	B66.Ø	C15.5	C38.Ø
A04.6	A21.1	A39.9	A52.73	A81.89	B05.81	B44.2	B66.1	C15.8	C38.1
A04.71	A21.2	A42.Ø	A52.74	A81.9	B05.89	B44.7	B66.2	C15.9	C38.2
A04.72	A21.3	A42.1	A52.75	A82.Ø	B06.00	B44.81	B66.3	C16.Ø	C38.3
A04.8	A21.7	A42.2	A52.76	A82.1	B06.02	B44.89	B66.4	C16.1	C38.4
A04.9	A21.8	A42.81	A52.77	A82.9	B06.09	B44.9	B66.5	C16.2	C38.8
A05.0	A21.9	A42.82	A52.78	A85.Ø	B06.81	B45.0	B66.8	C16.3	C40.00
A05.1	A22.Ø	A42.89	A52.79	A85.1	B06.82	B45.2	B67.Ø	C16.4	C40.01
A05.2	A22.2	A42.9	A54.00	A85.8	B06.89	B45.3	B67.1	C16.5	C40.02
A05.3	A22.8	A43.Ø	A54.01	A86	B08.3	B45.7	B67.2	C16.6	C40.10
A05.4	A22.9	A43.1	A54.02	A87.Ø	B08.71	B45.8	B67.31	C16.8	C40.11
A05.5	A23.8	A43.8	A54.03	A87.1	B15.9	B45.9	B67.32	C16.9	C40.12
A05.8	A23.9	A43.9	A54.09	A87.2	B16.1	B47.Ø	B67.39	C17.Ø	C40.20
A06.0	A24.Ø	A44.0	A54.1	A87.8	B16.9	B47.1	B67.4	C17.1	C40.21
A06.1	A24.1	A44.1	A54.21	A87.9	B17.Ø	B47.9	B67.5	C17.2	C40.22
A06.2	A24.2	A44.8	A54.22	A88.Ø	B17.10	B48.2	B67.61	C17.3	C40.30
A06.3	A24.3	A44.9	A54.23	A88.8	B17.2	B48.3	B67.69	C17.8	C40.31
A06.81	A24.9	A48.51	A54.24	A89	B17.8	B48.4	B67.7	C17.9	C40.32
A06.82	A25.Ø	A48.52	A54.29	A90	B17.9	B48.8	B67.8	C18.Ø	C40.80
A06.89	A25.1	A50.01	A54.30	A91	B18.Ø	B49	B67.90	C18.1	C40.81
A07.1	A25.9	A50.02	A54.31	A92.Ø	B18.1	B50.Ø	B67.99	C18.2	C40.82
A07.2	A27.Ø	A50.03	A54.32	A92.1	B18.8	B50.8	B68.Ø	C18.3	C40.90
A07.3	A27.89	A50.04	A54.33	A92.2	B18.9	B51.0	B68.1	C18.4	C40.91
A07.4	A27.9	A50.05	A54.39	A92.4	B19.10	B51.8	B68.9	C18.5	C40.92
A07.8	A28.Ø	A50.06	A54.40	A92.5	B19.9	B51.9	B69.Ø	C18.6	C41.Ø
A07.9	A28.1	A50.07	A54.41	A92.8	B2Ø	B52.Ø	B69.1	C18.7	C41.1
A08.0	A28.2	A50.08	A54.42	A92.9	B25.1	B52.8	B69.81	C18.8	C41.2
A08.11	A28.8	A50.09	A54.43	A93.Ø	B25.8	B52.9	B69.89	C18.9	C41.3
A08.19	A28.9	A50.2	A54.49	A93.1	B25.9	B53.Ø	B69.9	C19	C41.4
A08.2	A30.Ø	A50.30	A54.82	A93.2	B26.Ø	B53.1	B70.Ø	C2Ø	C41.9
A08.31	A30.1	A50.31	A54.83	A93.8	B26.3	B53.8	B70.1	C21.Ø	C45.Ø
A08.32	A30.2	A50.32	A54.84	A94	B26.81	B54	B71.Ø	C21.1	C45.1
A08.39	A30.3	A50.39	A54.85	A95.Ø	B26.82	B55.Ø	B71.1	C21.2	C45.2
A09	A30.4	A50.40	A54.89	A95.1	B26.83	B55.1	B71.8	C21.8	C46.Ø
A15.Ø	A30.5	A50.43	A54.9	A95.9	B26.84	B55.2	B72	C22.Ø	C46.1
A15.4	A30.8	A50.44	A68.Ø	A96.Ø	B26.85	B55.9	B73.ØØ	C22.1	C46.2
A15.5	A30.9	A50.45	A68.1	A96.1	B26.89	B56.Ø	B73.01	C22.2	C46.3
A15.6	A31.Ø	A50.49	A68.9	A96.8	B33.1	B56.1	B73.02	C22.3	C46.4
A15.7	A31.1	A50.51	A69.1	A96.9	B33.20	B56.9	B73.09	C22.4	C46.50
A15.8	A31.2	A50.52	A69.20	A98.Ø	B33.21	B57.Ø	B73.1	C22.7	C46.51
A15.9	A31.8	A50.53	A69.21	A98.1	B33.22	B57.1	B74.Ø	C22.8	C46.52
A17.9	A31.9	A50.54	A69.22	A98.2	B33.23	B57.2	B74.1	C22.9	C46.7
A18.01	A32.Ø	A50.55	A69.23	A98.5	B33.4	B57.30	B74.2	C23	C46.9
A18.02	A32.11	A50.56	A69.29	A98.8	B34.3	B57.31	B74.3	C24.Ø	C47.Ø
A18.03	A32.12	A50.57	A70	A99	B37.Ø	B57.32	B74.4	C24.1	C47.10
A18.09	A32.81	A50.59	A75.Ø	B00.2	B37.41	B57.39	B74.8	C24.8	C47.11

Term	ICD-10-PCS Value	Term	ICD-10-PCS Value
SynCardia (temporary) Total Artificial Heart (TAH)	Synthetic Substitute, Pneumatic for Replacement in Heart and Great Vessels	Ultrasound bone healing system	Bone Growth Stimulator in Head and Facial Bones
SynCardia Total Artificial Heart	Synthetic Substitute		Bone Growth Stimulator in Upper Bones
Syncra CRT-P	Cardiac Resynchronization Pacemaker Pulse Generator for Insertion in Subcutaneous Tissue and Fascia		Bone Growth Stimulator in Lower Bones
SynchroMed Pump	Infusion Device, Pump in Subcutaneous Tissue and Fascia	Uniplanar external fixator	External Fixation Device, Monoplanar for Insertion in Upper Bones
Talent® Converter	Intraluminal Device		External Fixation Device, Monoplanar for Reposition in Upper Bones
Talent® Occluder	Intraluminal Device		External Fixation Device, Monoplanar for Insertion in Lower Bones
Talent® Stent Graft (abdominal)(thoracic)	Intraluminal Device		External Fixation Device, Monoplanar for Reposition in Lower Bones
TAMBE Device (Thoracoabdominal Branch Endoprosthesis), GORE® EXCLUDER®	Branched Intraluminal Device, Manufactured Integrated System, Four or More Arteries in New Technology	Urinary incontinence stimulator lead	Stimulator Lead in Urinary System
TandemHeart® System	Short-term External Heart Assist System in Heart and Great Vessels	V-Wave Interatrial Shunt System	Synthetic Substitute
TAXUS® Liberté® Paclitaxel-eluting Coronary Stent System	Intraluminal Device, Drug-eluting in Heart and Great Vessels	VADER® Pedicle System	Carbon/PEEK Spinal Stabilization Device, Pedicle Based in New Technology
Therapeutic occlusion coil(s)	Intraluminal Device	Vaginal pessary	Intraluminal Device, Pessary in Female Reproductive System
Thoracostomy tube	Drainage Device	Valiant Thoracic Stent Graft	Intraluminal Device
Thoraflex™ Hybrid device	Branched Synthetic Substitute with Intraluminal Device in New Technology	Vanta™ PC neurostimulator	Stimulator Generator, Multiple Array for Insertion in Subcutaneous Tissue and Fascia
Thoratec IVAD (Implantable Ventricular Assist Device)	Implantable Heart Assist System in Heart and Great Vessels	VasQ™ External Support device	Synthetic Substitute, Extraluminal Support Device in New Technology
Thoratec Paracorporeal Ventricular Assist Device	Short-term External Heart Assist System in Heart and Great Vessels	Vectra® Vascular Access Graft	Vascular Access Device, Tunneled in Subcutaneous Tissue and Fascia
Tibial insert	Liner in Lower Joints	VenoValve®	Intraluminal Device, Bioprosthetic Valve in New Technology
Tissue bank graft	Nonautologous Tissue Substitute	Ventrio™ Hernia Patch	Synthetic Substitute
Tissue expander (inflatable)(injectable)	Tissue Expander in Skin and Breast Tissue Expander in Subcutaneous Tissue and Fascia	Versa	Pacemaker, Dual Chamber for Insertion in Subcutaneous Tissue and Fascia
Titan Endoskeleton™	Interbody Fusion Device in Upper Joints Interbody Fusion Device in Lower Joints	VEST™ Venous External Support device	Vein Graft Extraluminal Support Device(s) in New Technology
Titanium Sternal Fixation System (TSFS)	Internal Fixation Device, Rigid Plate for Insertion in Upper Bones Internal Fixation Device, Rigid Plate for Reposition in Upper Bones	Virtuoso (II) (DR) (VR)	Defibrillator Generator for Insertion in Subcutaneous Tissue and Fascia
TOPS™ System	Posterior Spinal Motion Preservation Device in New Technology	Viva(XT)(S)	Cardiac Resynchronization Defibrillator Pulse Generator for Insertion in Subcutaneous Tissue and Fascia
Total Ankle Talar Replacement™ (TATR)	Synthetic Substitute, Talar Prosthesis in New Technology	Vivistim® Paired VNS System Lead	Neurostimulator Lead with Paired Stimulation System in New Technology
Total artificial (replacement) heart	Synthetic Substitute	WALLSTENT® Endoprosthesis	Intraluminal Device
Tracheostomy tube	Tracheostomy Device in Respiratory System	X-Spine Axle Cage	Spinal Stabilization Device, Interspinous Process for Insertion in Upper Joints Spinal Stabilization Device, Interspinous Process for Insertion in Lower Joints
TricValve® Transcatheter Bicaval Valve System	Intraluminal Device, Bioprosthetic Valve in New Technology	X-STOP® Spacer	Spinal Stabilization Device, Interspinous Process for Insertion in Upper Joints Spinal Stabilization Device, Interspinous Process for Insertion in Lower Joints
Trifecta™ Valve (aortic)	Zooplastic Tissue in Heart and Great Vessels	Xact Carotid Stent System	Intraluminal Device
Tunneled central venous catheter	Vascular Access Device, Tunneled in Subcutaneous Tissue and Fascia	Xenograft	Zooplastic Tissue in Heart and Great Vessels
Tunneled spinal (intrathecal) catheter	Infusion Device	XIENCE Everolimus Eluting Coronary Stent System	Intraluminal Device, Drug-eluting in Heart and Great Vessels
Two lead pacemaker	Pacemaker, Dual Chamber for Insertion in Subcutaneous Tissue and Fascia	XLIF® System	Interbody Fusion Device in Lower Joints
Ultraflex™ Precision Colonic Stent System	Intraluminal Device	Zenith AAA Endovascular Graft	Intraluminal Device
ULTRAPRO Hernia System (UHS)	Synthetic Substitute	Zenith® Fenestrated AAA Endovascular Graft	Intraluminal Device, Branched or Fenestrated, One or Two Arteries for Restriction in Lower Arteries Intraluminal Device, Branched or Fenestrated, Three or More Arteries for Restriction in Lower Arteries
ULTRAPRO Partially Absorbable Lightweight Mesh	Synthetic Substitute	Zenith Flex® AAA Endovascular Graft	Intraluminal Device
ULTRAPRO Plug	Synthetic Substitute	Zenith® Renu™ AAA Ancillary Graft	Intraluminal Device
Ultrasonic osteogenic stimulator	Bone Growth Stimulator in Head and Facial Bones Bone Growth Stimulator in Upper Bones Bone Growth Stimulator in Lower Bones		

Pre-MDC

