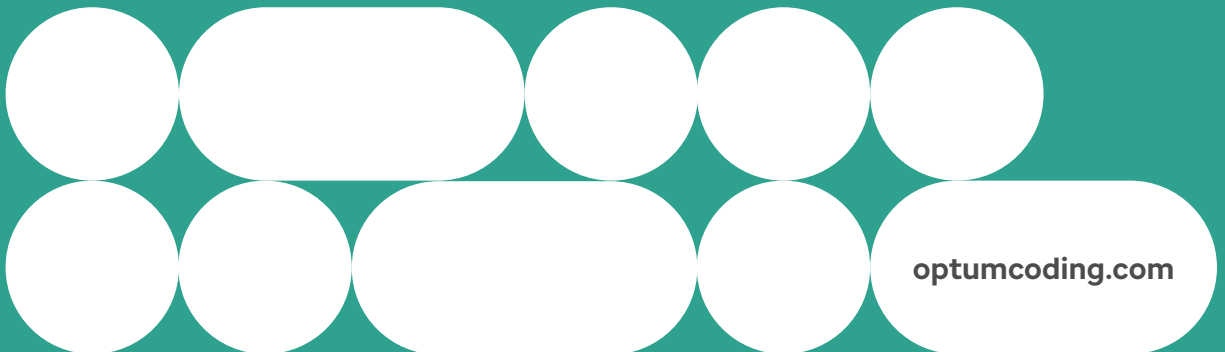# DRG Desk Reference

The ultimate resource for improving MS-DRG assignment practices

SAMPLE

2027

Contents

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:

DRG Relative Weight x Hospital Base Rate = 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
MCC condition	I26.99	Other pulmonary embolism without acute cor pulmonale

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

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.

MDC 8

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
Heart Transplant Operating Room Procedures
Ø2YAØZØ
Ø2YAØZ1
Ø2YAØZ2
OR
Heart Transplant Procedure Combination
Ø2RKØJZ
AND
Ø2RLØJZ
OR
Implant of Heart Assist System Operating Room Procedures
Ø2HAØQZ
Ø2HAØRZ
Ø2HA3QZ
Ø2HA4QZ
Ø2RAØLZ
Ø2RAØMZ
OR
Implant of Heart Assist System Procedure Combinations
Ø2HAØRS
Ø2HAØRZ
Ø2HA3RS
Ø2HA3RZ
Ø2HA4RS
Ø2HA4RZ
Ø2WAØQZ
Ø2WAØRZ
Ø2WA3QZ
Ø2WA3RZ
Ø2WA4QZ
Ø2WA4RZ
AND
Ø2PAØRZ
Ø2PA3RZ
Ø2PA4RZ
Ø2PW3RZ
OR
Ø2WW3RZ
AND
Ø2PAØRZ
Ø2PA3RZ
Ø2PA4RZ
OR
Ø2HAØRZ
AND
X2HXØF9
OR
Ø2HA3RZ
AND
X2HLØF9
X2HMØF9

DRG 002
Select operating room procedures OR any procedure combinations listed under DRG 001

DRG 003
ECMO Operating or Nonoperating Room Procedures
5A1522F
5A1522G
5A1522H
OR

Tracheostomy Operating or Nonoperating Room Procedures
ØB110F4
ØB110Z4
ØB113F4
ØB113Z4
ØB114F4
ØB114Z4
AND EITHER
Any principal diagnosis EXCEPT mouth, larynx and pharynx disorders listed under DRG 011
OR
Mechanical Ventilation Nonoperating Room Procedure
5A1955Z
AND
Any O.R. procedure not listed in DRGs 987-989

DRG 004
Select tracheostomy operating or nonoperating room procedures listed under DRG 003
AND EITHER
Any principal diagnosis EXCEPT mouth, larynx and pharynx disorders listed under DRG 011
OR
Select mechanical ventilation nonoperating room procedure listed under DRG 003

DRG 005
Liver Transplant Operating Room Procedures
ØFYØØZØ
ØFYØØZ1
ØFYØØZ2
OR
Intestinal Transplant Operating Room Procedures
ØDY8ØZØ
ØDY8ØZ1
ØDY8ØZ2
ØDYEØZØ
ØDYEØZ1
ØDYEØZ2

DRG 006
Operating Room Procedures
ØFYØØZØ
ØFYØØZ1
ØFYØØZ2

DRG 007
Operating Room Procedures
ØBYCØZØ
ØBYCØZ1
ØBYCØZ2
ØBYDØZØ
ØBYDØZ1
ØBYDØZ2
ØBYFØZØ
ØBYFØZ1
ØBYFØZ2
ØBYGØZØ
ØBYGØZ1
ØBYGØZ2
ØBYHØZØ
ØBYHØZ1
ØBYHØZ2
ØBYJØZØ
ØBYJØZ1
ØBYJØZ2
ØBYKØZØ
ØBYKØZ1
ØBYKØZ2
ØBYLØZØ
ØBYLØZ1
ØBYLØZ2
ØBYMØZØ
ØBYMØZ1
ØBYMØZ2

DRG 008
Principal or Secondary Diagnosis
EØ8*
EØ9*
E1Ø*
E11*
E13*
E89.1
AND
Principal or Secondary Diagnosis
I12.Ø
I13.11
I13.2
N18*
Z94.Ø
Z96.49
Z96.89
Z96.9
AND
Kidney Transplant Operating Room Procedures
ØTYØØZØ
ØTYØØZ1
ØTYØØZ2
ØTY1ØZØ
ØTY1ØZ1
ØTY1ØZ2
AND
Pancreas Transplant Operating Room Procedures
ØFYG*

DRG 010
Principal or Secondary Diagnosis
EØ8*
EØ9*
E1Ø*
E11*
E13*
E89.1

AND
Operating Room Procedures
ØFYG*

DRG 011
Laryngectomy Operating Room Procedures
ØCTSØZZ
ØCTS4ZZ
ØCTS7ZZ
ØCTS8ZZ
OR
Principal Diagnosis
A36.Ø
A36.1
A36.2
A54.5
A56.4
A66.5
A69.Ø
A69.1
BØØ.2
BØ8.5
B37.Ø
B37.83
CØØ*
CØ1
CØ2*
CØ3*
CØ4*
CØ5*
CØ6*
CØ7
CØ8*
CØ9*
C1Ø*
C11*
C12
C13*
C14*
C31*
C32*
C39.Ø
C41.1
C44.Ø*
C46.2
C73
C76.Ø
C77.Ø
C81.Ø1
C81.11
C81.21
C81.31
C81.41
C81.71
C81.91
C82.Ø1
C82.11
C82.21
C82.31
C82.41
C82.51
C82.61
C82.81
C82.91
C83.Ø1
C83.31
C83.51
C83.71
C83.81
C83.91
C84.Ø1
C84.11
C84.91
C84.A1
C84.Z1

C85.11
C85.21
C85.81
C85.91
C86.Ø*
C91.4Ø
C96.Ø
C96.2*
C96.9
C96.A
DØØ.Ø*
DØ2.Ø
D1Ø*
D11*
D14.Ø
D14.1
D16.4
D16.5
D18.ØØ
D18.Ø1
D18.Ø9
D34
D37.Ø*
D38.Ø
EØ3.4
EØ4.1
EØ5*
EØ6*
EØ7.89
EØ7.9
E35
G47.2*
G47.3*
G47.5*
G47.6*
G47.8
JØØ
JØ2*
JØ3*
JØ4.Ø
JØ4.2
JØ4.3*
JØ5*
JØ6*
J31.1
J31.2
J34.2
J35.Ø*
J35.1
J35.2
J35.3
J35.8
J35.9
J36
J37.Ø
J37.1
J38.Ø*
J38.1
J38.2
J38.3
J38.4
J38.5
J38.6
J38.7
J39.Ø
J39.1
J39.2
J39.3
J39.8
J39.9
J95.Ø*
J98.Ø*
KØØ*
KØ1*
KØ2.3
KØ2.5*
KØ2.6*
KØ2.7
KØ2.9
KØ3*

KØ4*
KØ5*
KØ6*
KØ8.Ø
KØ8.1*
KØ8.2*
KØ8.3
KØ8.4*
KØ8.5*
KØ8.8*
KØ8.9
KØ9*
K11*
K12.Ø
K12.1
K12.2
K12.3*
K13.Ø
K13.1
K13.2*
K13.3
K13.4
K13.5
K13.6
K13.7*
K14.Ø
K14.1
K14.2
K14.3
K14.4
K14.5
K14.6
K14.8
K14.9
LØ2.Ø1
LØ2.11
LØ3.2*
M26.Ø*
M26.1*
M26.2*
M26.3*
M26.4
M26.5*
M26.6*
M26.7*
M26.8*
M26.9
M27.Ø
M27.1
M27.2
M27.3
M27.4*
M27.5*
M27.6*
M27.8
M27.9
Q31.Ø*
Q31.1
Q31.2
Q31.3
Q31.5
Q31.8
Q31.9
Q32.Ø
Q32.1
Q32.2
Q32.3
Q32.4
Q35.1
Q35.3
Q35.5
Q35.7
Q35.9
Q36.Ø
Q36.1
Q36.9
Q37.1
Q37.2
Q37.3

Q37.4
Q37.5
Q37.8
Q37.9
Q38.Ø
Q38.1
Q38.2
Q38.3
Q38.4
Q38.6
Q38.7
Q38.8
RØ4.1
R68.2
R68.84
SØ1.2ØXA
SØ1.21XA
SØ1.22XA
SØ1.23XA
SØ1.24XA
SØ1.25XA
SØ1.4Ø1A
SØ1.4Ø2A
SØ1.4Ø9A
SØ1.411A
SØ1.412A
SØ1.419A
SØ1.421A
SØ1.422A
SØ1.429A
SØ1.431A
SØ1.432A
SØ1.439A
SØ1.441A
SØ1.442A
SØ1.449A
SØ1.451A
SØ1.452A
SØ1.459A
SØ1.5Ø1A
SØ1.5Ø2A
SØ1.511A
SØ1.512A
SØ1.521A
SØ1.522A
SØ1.531A
SØ1.532A
SØ1.541A
SØ1.542A
SØ1.551A
SØ1.552A
SØ2.3ØXA
SØ2.3ØXB
SØ2.31XA
SØ2.31XB
SØ2.32XA
SØ2.32XB
SØ2.4ØØA
SØ2.4ØØB
SØ2.4Ø1A
SØ2.4Ø1B
SØ2.4Ø2A
SØ2.4Ø2B
SØ2.4ØAA
SØ2.4ØAB
SØ2.4ØBA
SØ2.4ØBB
SØ2.4ØCA
SØ2.4ØCB
SØ2.4ØDA
SØ2.4ØDB
SØ2.4ØEA
SØ2.4ØEB
SØ2.4ØFA
SØ2.4ØFB
SØ2.411A
SØ2.411B
SØ2.412A
SØ2.412B
SØ2.413A

SØ2.413B
SØ2.42XA
SØ2.42XB
SØ2.6ØØA
SØ2.6ØØB
SØ2.6Ø1A
SØ2.6Ø1B
SØ2.6Ø2A
SØ2.6Ø2B
SØ2.6Ø9A
SØ2.6Ø9B
SØ2.61ØA
SØ2.61ØB
SØ2.611A
SØ2.611B
SØ2.612A
SØ2.612B
SØ2.62ØA
SØ2.62ØB
SØ2.621A
SØ2.621B
SØ2.622A
SØ2.622B
SØ2.63ØA
SØ2.63ØB
SØ2.631A
SØ2.631B
SØ2.632A
SØ2.632B
SØ2.64ØA
SØ2.64ØB
SØ2.641A
SØ2.641B
SØ2.642A
SØ2.642B
SØ2.65ØA
SØ2.65ØB
SØ2.651A
SØ2.651B
SØ2.652A
SØ2.652B
SØ2.66XA
SØ2.66XB
SØ2.69XA
SØ2.69XB
SØ2.8ØXA
SØ2.8ØXB
SØ2.81XA
SØ2.81XB
SØ2.82XA
SØ2.82XB
SØ2.831A
SØ2.831B
SØ2.832A
SØ2.832B
SØ2.839A
SØ2.839B
SØ2.841A
SØ2.841B
SØ2.842A
SØ2.842B
SØ2.849A
SØ2.849B
SØ2.85XA
SØ2.85XB
SØ2.92XA
SØ2.92XB
SØ3.ØØXA
SØ3.Ø1XA
SØ3.Ø2XA
SØ3.Ø3XA
SØ6.AØXA
SØ6.A1XA
SØ7.ØXXA

SØ7.1XXA
SØ7.8XXA
SØ7.9XXA
SØ8.811A
SØ8.812A
SØ9.ØXXA
SØ9.1ØXA
SØ9.19XA
SØ9.8XXA
SØ9.9ØXA
SØ9.92XA
SØ9.93XA
S11.Ø11A
S11.Ø12A
S11.Ø13A
S11.Ø14A
S11.Ø15A
S11.Ø19A
S11.Ø21A
S11.Ø22A
S11.Ø23A
S11.Ø24A
S11.Ø25A
S11.Ø29A
S11.Ø31A
S11.Ø32A
S11.Ø33A
S11.Ø34A
S11.Ø35A
S11.Ø39A
S11.1ØXA
S11.11XA
S11.12XA
S11.13XA
S11.14XA
S11.15XA
S11.2ØXA
S11.21XA
S11.22XA
S11.23XA
S11.24XA
S11.25XA
S11.8ØXA
S11.81XA
S11.82XA
S11.83XA
S11.84XA
S11.85XA
S11.89XA
S11.9ØXA
S11.91XA
S11.92XA
S11.93XA
S11.94XA
S11.95XA
S12.8XXA
S15.1Ø1A
S15.1Ø2A
S15.1Ø9A
S15.111A
S15.112A
S15.119A
S15.121A
S15.122A
S15.129A
S15.191A
S15.192A
S15.199A
S15.8XXA
S15.9XXA
S16.2XXA
S16.8XXA
S16.9XXA
S17.ØXXA
S17.8XXA
S17.9XXA
S19.8ØXA
S19.81XA
S19.82XA

S19.83XA
S19.84XA
S19.85XA
S19.89XA
S19.9XXA
T17.2ØØA
T17.2Ø8A
T17.21ØA
T17.218A
T17.22ØA
T17.228A
T17.29ØA
T17.298A
T17.3ØØA
T17.3Ø8A
T17.31ØA
T17.318A
T17.32ØA
T17.328A
T17.39ØA
T17.398A
T18.ØXXA
T28.ØXXA
T28.5XXA
Z85.21
Z85.81Ø
Z85.818
Z85.819
AND
Tracheostomy Operating or Nonoperating Room Procedures
ØB110F4
ØB110Z4
ØB113F4
ØB113Z4
ØB114F4
ØB114Z4

DRG 012
Select laryngectomy operating room procedures listed under DRG 011
OR
Select principal diagnosis listed under DRG 011
AND
Select tracheostomy operating or nonoperating room procedures listed under DRG 011

DRG 013
Select laryngectomy operating room procedures listed under DRG 011
OR
Select principal diagnosis listed under DRG 011
AND
Select tracheostomy operating or nonoperating room procedures listed under DRG 011

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	A36.0	A51.43	A77.0	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	A37.00	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	A38.0	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	A21.0	A39.89	A52.72	A81.83	B05.4	B44.1	B66.0	C15.5	C38.0
A04.6	A21.1	A39.9	A52.73	A81.89	B05.81	B44.2	B66.1	C15.8	C38.1
A04.71	A21.2	A42.0	A52.74	A81.9	B05.89	B44.7	B66.2	C15.9	C38.2
A04.72	A21.3	A42.1	A52.75	A82.0	B05.9	B44.81	B66.3	C16.0	C38.3
A04.8	A21.7	A42.2	A52.76	A82.1	B06.00	B44.89	B66.4	C16.1	C38.4
A04.9	A21.8	A42.81	A52.77	A82.9	B06.02	B44.9	B66.5	C16.2	C38.8
A05.0	A21.9	A42.82	A52.78	A85.0	B06.09	B45.0	B66.8	C16.3	C40.00
A05.1	A22.0	A42.89	A52.79	A85.1	B06.81	B45.2	B67.0	C16.4	C40.01
A05.2	A22.2	A42.9	A54.00	A85.8	B06.82	B45.3	B67.1	C16.5	C40.02
A05.3	A22.8	A43.0	A54.01	A86	B06.89	B45.7	B67.2	C16.6	C40.10
A05.4	A22.9	A43.1	A54.02	A87.0	B08.3	B45.8	B67.31	C16.8	C40.11
A05.5	A23.8	A43.8	A54.03	A87.1	B08.71	B45.9	B67.32	C16.9	C40.12
A05.8	A23.9	A43.9	A54.09	A87.2	B15.9	B47.0	B67.39	C17.0	C40.20
A06.0	A24.0	A44.0	A54.1	A87.8	B16.1	B47.1	B67.4	C17.1	C40.21
A06.1	A24.1	A44.1	A54.21	A87.9	B16.9	B47.9	B67.5	C17.2	C40.22
A06.2	A24.2	A44.8	A54.22	A88.0	B17.0	B48.2	B67.61	C17.3	C40.30
A06.3	A24.3	A44.9	A54.23	A88.8	B17.10	B48.3	B67.69	C17.8	C40.31
A06.81	A24.9	A48.51	A54.24	A89	B17.2	B48.4	B67.7	C17.9	C40.32
A06.82	A25.0	A48.52	A54.29	A90	B17.8	B48.8	B67.8	C18.0	C40.80
A06.89	A25.1	A50.01	A54.30	A91	B17.9	B49	B67.90	C18.1	C40.81
A07.1	A25.9	A50.02	A54.31	A92.0	B18.0	B50.0	B67.99	C18.2	C40.82
A07.2	A27.0	A50.03	A54.32	A92.1	B18.1	B50.8	B68.0	C18.3	C40.90
A07.3	A27.89	A50.04	A54.33	A92.2	B18.8	B51.0	B68.1	C18.4	C40.91
A07.4	A27.9	A50.05	A54.39	A92.4	B18.9	B51.8	B68.9	C18.5	C40.92
A07.8	A28.0	A50.06	A54.40	A92.5	B19.10	B51.9	B69.0	C18.6	C41.0
A07.9	A28.1	A50.07	A54.41	A92.8	B19.9	B52.0	B69.1	C18.7	C41.1
A08.0	A28.2	A50.08	A54.42	A92.9	B20	B52.8	B69.81	C18.8	C41.2
A08.11	A28.8	A50.09	A54.43	A93.0	B25.1	B52.9	B69.89	C18.9	C41.3
A08.19	A28.9	A50.2	A54.49	A93.1	B25.8	B53.0	B69.9	C19	C41.4
A08.2	A30.0	A50.30	A54.82	A93.2	B25.9	B53.1	B70.0	C20	C41.9
A08.31	A30.1	A50.31	A54.83	A93.8	B26.0	B53.8	B70.1	C21.0	C45.0
A08.32	A30.2	A50.32	A54.84	A94	B26.3	B54	B71.0	C21.1	C45.1
A08.39	A30.3	A50.39	A54.85	A95.0	B26.81	B55.0	B71.1	C21.2	C45.2
A09	A30.4	A50.40	A54.89	A95.1	B26.82	B55.1	B71.8	C21.8	C46.0
A15.0	A30.5	A50.43	A54.9	A95.9	B26.83	B55.2	B72	C22.0	C46.1
A15.4	A30.8	A50.44	A68.0	A96.0	B26.84	B55.9	B73.00	C22.1	C46.2
A15.5	A30.9	A50.45	A68.1	A96.1	B26.85	B56.0	B73.01	C22.2	C46.3
A15.6	A31.0	A50.49	A68.9	A96.8	B26.89	B56.1	B73.02	C22.3	C46.4
A15.7	A31.1	A50.51	A69.1	A96.9	B33.1	B56.9	B73.09	C22.4	C46.50
A15.8	A31.2	A50.52	A69.20	A98.0	B33.20	B57.0	B73.1	C22.7	C46.51
A15.9	A31.8	A50.53	A69.21	A98.1	B33.21	B57.1	B74.0	C22.8	C46.52
A17.9	A31.9	A50.54	A69.22	A98.2	B33.22	B57.2	B74.1	C22.9	C46.7
A18.01	A32.0	A50.55	A69.23	A98.5	B33.23	B57.30	B74.2	C23	C46.9
A18.02	A32.11	A50.56	A69.29	A98.8	B33.4	B57.31	B74.3	C24.0	C47.0
A18.03	A32.12	A50.57	A70	A99	B34.3	B57.32	B74.4	C24.1	C47.10
A18.09	A32.81	A50.59	A75.0	B00.2	B37.0	B57.39	B74.8	C24.8	C47.11
					B37.41				

Term	ICD-10-PCS Value
SynCardia (temporary) Total Artificial Heart (TAH)	Synthetic Substitute, Pneumatic for Replacement in Heart and Great Vessels
SynCardia Total Artificial Heart	Synthetic Substitute
Syncra CRT-P	Cardiac Resynchronization Pacemaker Pulse Generator for Insertion in Subcutaneous Tissue and Fascia
SynchroMed Pump	Infusion Device, Pump in Subcutaneous Tissue and Fascia
Talent® Converter	Intraluminal Device
Talent® Occluder	Intraluminal Device
Talent® Stent Graft (abdominal)(thoracic)	Intraluminal Device
TAMBE Device (Thoracoabdominal Branch Endoprosthesis), GORE® EXCLUDER®	Branched Intraluminal Device, Manufactured Integrated System, Four or More Arteries in New Technology
TandemHeart® System	Short-term External Heart Assist System in Heart and Great Vessels
TAXUS® Liberté® Paclitaxel-eluting Coronary Stent System	Intraluminal Device, Drug-eluting in Heart and Great Vessels
Therapeutic occlusion coil(s)	Intraluminal Device
Thoracostomy tube	Drainage Device
Thoraflex™ Hybrid device	Branched Synthetic Substitute with Intraluminal Device in New Technology
Thoratec IVAD (Implantable Ventricular Assist Device)	Implantable Heart Assist System in Heart and Great Vessels
Thoratec Paracorporeal Ventricular Assist Device	Short-term External Heart Assist System in Heart and Great Vessels
Tibial insert	Liner in Lower Joints
Tissue bank graft	Nonautologous Tissue Substitute
Tissue expander (inflatable)(injectable)	Tissue Expander in Skin and Breast Tissue Expander in Subcutaneous Tissue and Fascia
Titan Endoskeleton™	Interbody Fusion Device in Upper Joints
	Interbody Fusion Device in Lower Joints
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
TOPS™ System	Posterior Spinal Motion Preservation Device in New Technology
Total Ankle Talar Replacement™ (TATR)	Synthetic Substitute, Talar Prosthesis in New Technology
Total artificial (replacement) heart	Synthetic Substitute
Tracheostomy tube	Tracheostomy Device in Respiratory System
TricValve® Transcatheter Bicaval Valve System	Intraluminal Device, Bioprosthetic Valve in New Technology
Trifecta™ Valve (aortic)	Zooplastic Tissue in Heart and Great Vessels
Tunneled central venous catheter	Vascular Access Device, Tunneled in Subcutaneous Tissue and Fascia
Tunneled spinal (intrathecal) catheter	Infusion Device
Two lead pacemaker	Pacemaker, Dual Chamber for Insertion in Subcutaneous Tissue and Fascia
Ultraflex™ Precision Colonic Stent System	Intraluminal Device
ULTRAPRO Hernia System (UHS)	Synthetic Substitute
ULTRAPRO Partially Absorbable Lightweight Mesh	Synthetic Substitute
ULTRAPRO Plug	Synthetic Substitute
Ultrasonic osteogenic stimulator	Bone Growth Stimulator in Head and Facial Bones
	Bone Growth Stimulator in Upper Bones
	Bone Growth Stimulator in Lower Bones

Term	ICD-10-PCS Value
Ultrasound bone healing system	Bone Growth Stimulator in Head and Facial Bones
	Bone Growth Stimulator in Upper Bones
	Bone Growth Stimulator in Lower Bones
Uniplanar external fixator	External Fixation Device, Monoplanar for Insertion in Upper Bones
	External Fixation Device, Monoplanar for Reposition in Upper Bones
	External Fixation Device, Monoplanar for Insertion in Lower Bones
	External Fixation Device, Monoplanar for Reposition in Lower Bones
Urinary incontinence stimulator lead	Stimulator Lead in Urinary System
V-Wave Interatrial Shunt System	Synthetic Substitute
VADER® Pedicle System	Carbon/PEEK Spinal Stabilization Device, Pedicle Based in New Technology
Vaginal pessary	Intraluminal Device, Pessary in Female Reproductive System
Valiant Thoracic Stent Graft	Intraluminal Device
Vanta™ PC neurostimulator	Stimulator Generator, Multiple Array for Insertion in Subcutaneous Tissue and Fascia
VasQ™ External Support device	Synthetic Substitute, Extraluminal Support Device in New Technology
Vectra® Vascular Access Graft	Vascular Access Device, Tunneled in Subcutaneous Tissue and Fascia
VenoValve®	Intraluminal Device, Bioprosthetic Valve in New Technology
Ventrio™ Hernia Patch	Synthetic Substitute
Versa	Pacemaker, Dual Chamber for Insertion in Subcutaneous Tissue and Fascia
VEST™ Venous External Support device	Vein Graft Extraluminal Support Device(s) in New Technology
Virtuoso (II) (DR) (VR)	Defibrillator Generator for Insertion in Subcutaneous Tissue and Fascia
Viva(XT)(S)	Cardiac Resynchronization Defibrillator Pulse Generator for Insertion in Subcutaneous Tissue and Fascia
Vivistim® Paired VNS System Lead	Neurostimulator Lead with Paired Stimulation System in New Technology
WALLSTENT® Endoprosthesis	Intraluminal Device
X-Spine Axle Cage	Spinal Stabilization Device, Interspinous Process for Insertion in Upper Joints
	Spinal Stabilization Device, Interspinous Process for Insertion in Lower Joints
X-STOP® Spacer	Spinal Stabilization Device, Interspinous Process for Insertion in Upper Joints
	Spinal Stabilization Device, Interspinous Process for Insertion in Lower Joints
Xact Carotid Stent System	Intraluminal Device
Xenograft	Zooplastic Tissue in Heart and Great Vessels
XIENCE Everolimus Eluting Coronary Stent System	Intraluminal Device, Drug-eluting in Heart and Great Vessels
XLIF® System	Interbody Fusion Device in Lower Joints
Zenith AAA Endovascular Graft	Intraluminal Device
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
Zenith Flex® AAA Endovascular Graft	Intraluminal Device
Zenith® Renu™ AAA Ancillary Graft	Intraluminal Device

MS-DRG

ALL PATIENTS

Chimeric Antigen Receptor (CAR) T-cell and Other Immunotherapies → 018

Heart Transplant or Implant of Heart Assist System → MCC → Yes → 001

No → 002

ECMO → 003

Tracheostomy → MV > 96 Hours → Yes → Major O.R. Procedure → Yes → 003

No → 004

No → PDX Except Face, Mouth, Neck → Yes → Major O.R. Procedure → Yes → 003

No → 004

O.R. or DRG Non O.R. Procedure

Intestinal Transplant → 005

Liver Transplant → MCC → Yes → 005

No → 006

Allogeneic Bone Marrow Transplant → 014

Lung Transplant → 007

1

DRG Decision Trees