



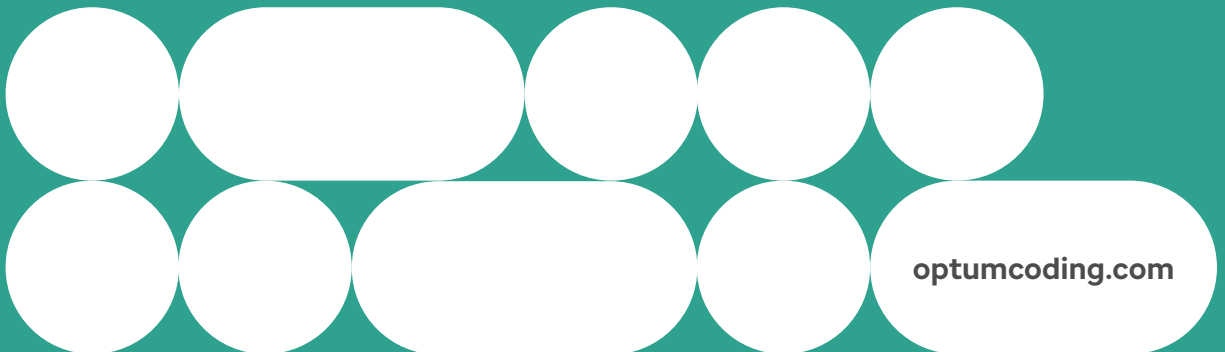
Desk Reference

# 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.

<b>DRG 146 Ear, Nose, Mouth and Throat Malignancy with MCC</b>	RW 2.2939
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<b>DRG 011 Tracheostomy for Face, Mouth, and Neck Diagnoses or Laryngectomy with MCC</b>	RW 5.3956
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<b>DRG 012 Tracheostomy for Face, Mouth, and Neck Diagnoses or Laryngectomy with CC</b>	RW 4.1034
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<b>DRG 013 Tracheostomy for Face, Mouth, and Neck Diagnoses or Laryngectomy without CC/MCC</b>	RW 2.6498
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However, *DRG Desk Reference* only lists DRG 011 as a potential DRG.

<b>DRG 146 Ear, Nose, Mouth and Throat Malignancy with MCC</b>	RW 2.2939
<b>Potential DRGs</b>	
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:

<b>DRG 025 Craniotomy and Endovascular Intracranial Procedures with MCC</b>	RW 4.4720
<b>Potential DRGs</b>	
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 <b>AND</b> Excisional debridement of wound, infection, or burn  <b>AND</b> MCC condition	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.  See appendix B.
573	Skin ulcer or cellulitis principal diagnosis <b>AND</b> Skin grafting procedure <b>AND</b> MCC condition	See appendix B.
574	Skin ulcer or cellulitis principal diagnosis <b>AND</b> Skin grafting procedure <b>AND</b> CC condition	See appendix B.
576	Diagnosis from MDC 9 other than skin ulcer or cellulitis <b>AND</b> Skin grafting procedure <b>AND</b> MCC condition	See appendix B.
577	Diagnosis from MDC 9 other than skin ulcer or cellulitis <b>AND</b> Skin grafting procedure <b>AND</b> 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 <b>AND</b> Excisional debridement of wound, infection, or burn <b>AND</b> MCC condition	See DRG 570.  See appendix B.
901	Injury diagnosis from MDC 21 <b>AND</b> Excisional debridement of wound, infection, or burn <b>AND</b> MCC condition	See DRG 570.  See appendix B.
904	Injury diagnosis from MDC 21 <b>AND</b> Skin grafting procedure <b>AND</b> 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 <b>AND</b> 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

<b>DRG 001</b> <b>Heart Transplant Operating Room Procedures</b> 02YA0Z0 02YA0Z1 02YA0Z2 OR <b>Heart Transplant Procedure Combination</b> 02RK0JZ AND 02RL0JZ OR <b>Implant of Heart Assist System Operating Room Procedures</b> 02HA0QZ 02HA0RZ 02HA3QZ 02HA4QZ 02RA0LZ 02RA0MZ OR <b>Implant of Heart Assist System Procedure Combinations</b> 02HA0RS 02HA0RZ 02HA3RS 02HA4RS 02HA4RZ 02WA0QZ 02WA0RZ 02WA3QZ 02WA3RZ 02WA4QZ 02WA4RZ AND 02PA0RZ 02PA3RZ 02PA4RZ 02PW3RZ OR 02VW3RZ AND 02PA0RZ 02PA3RZ 02PA4RZ OR 02HA0RZ AND X2HX0F9 OR 02HA3RZ AND X2HL0F9 X2HM0F9	<b>Tracheostomy Operating or Nonoperating Room Procedures</b> 0B110F4 0B110Z4 0B113F4 0B113Z4 0B114F4 0B114Z4 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	<b>DRG 007</b> <b>Operating Room Procedures</b> 0BYC0Z0 0BYC0Z1 0BYC0Z2 0BYD0Z0 0BYD0Z1 0BYD0Z2 0BYF0Z0 0BYF0Z1 0BYF0Z2 0BYG0Z0 0BYG0Z1 0BYG0Z2 0BYH0Z0 0BYH0Z1 0BYH0Z2 0BYJ0Z0 0BYJ0Z1 0BYJ0Z2 0BYK0Z0 0BYK0Z1 0BYK0Z2 0BYL0Z0 0BYL0Z1 0BYL0Z2 0BYM0Z0 0BYM0Z1 0BYM0Z2	<b>AND Operating Room Procedures</b> 0BYG* <b>DRG 011</b> <b>Laryngectomy Operating Room Procedures</b> 0CTS0Z2 0CTS4Z2 0CTS7Z2 0CTS8Z2 OR <b>Principal Diagnosis</b> A36.0 A36.1 A36.2 A54.5 A56.4 A66.5 A69.0 A69.1 B00.2 B08.5 B37.0 B37.83 C00* C01 C02* C03* C04* C05* C06* C07 C08* C09* C10* C11* C12 C13* C14* C30* C31* C32* I12.0 I13.1 I13.2 N18* Z94.0 Z96.49 Z96.89 Z96.9 AND <b>Kidney Transplant Operating Room Procedures</b> 0TY00Z0 0TY00Z1 0TY00Z2 0TY10Z0 0TY10Z1 0TY10Z2 AND <b>Pancreas Transplant Operating Room Procedures</b> 0FYG*	C85.11 C85.21 C85.81 C85.91 C86.0* C91.40 C96.0 C96.2* C96.9 C96.A D00.0* D02.0 D10* D11* D14.0 D14.1 D16.4 D16.5 D18.00 D18.01 D18.09 D34 D37.0* D38.0 E03.4 E04.1 E05* E06* E07.89 E07.9 E85 G47.2* G47.3* G47.5* G47.6* G47.8 J00 J02* J03* J04.0 J04.2 J04.3* J05* J06* J31.1 J31.2 J34.2 J35.0* J35.1 J35.2 J35.3 J35.8 J35.9 J36 J37.0 J37.1 J38.0* J38.1 J38.2 J38.3 J38.4 J38.5 J38.6 J38.7 J39.0 J39.1 J39.2 J39.3 J39.8 J39.9 J95.0* J98.0* K00* K01* K02.3 K02.5* K02.6* K02.7 K02.9 K03*	K04* K05* K06* K08.0 K08.1* K08.2* K08.3 K08.4* K08.5* K08.8* K08.9 K09* K11* K12.0 K12.1 K12.2 K12.3* K13.0 K13.1 K13.2* K13.3 K13.4 K13.5 K13.6 K13.7* K14.0 K14.1 K14.2 K14.3 K14.4 K14.5 K14.6 K14.8 K14.9 L02.01 L02.11 L03.2 L03.3 L03.4 L03.5 L03.6 L03.7 L03.8 L03.9 L03.10 L03.11 L03.12 L03.13 L03.14 L03.15 L03.16 L03.17 L03.18 L03.19 L03.20 L03.21 L03.22 L03.23 L03.24 L03.25 L03.26 L03.27 L03.28 L03.29 L03.30 L03.31 L03.32 L03.33 L03.34 L03.35 L03.36 L03.37 L03.38 L03.39 L03.40 L03.41 L03.42 L03.43 L03.44 L03.45 L03.46 L03.47 L03.48 L03.49 L03.50 L03.51 L03.52 L03.53 L03.54 L03.55 L03.56 L03.57 L03.58 L03.59 L03.60 L03.61 L03.62 L03.63 L03.64 L03.65 L03.66 L03.67 L03.68 L03.69 L03.70 L03.71 L03.72 L03.73 L03.74 L03.75 L03.76 L03.77 L03.78 L03.79 L03.80 L03.81 L03.82 L03.83 L03.84 L03.85 L03.86 L03.87 L03.88 L03.89 L03.90 L03.91 L03.92 L03.93 L03.94 L03.95 L03.96 L03.97 L03.98 L03.99 L04.0 L04.1 L04.2 L04.3 L04.4 L04.5 L04.6 L04.7 L04.8 L04.9 L05.0 L05.1 L05.2 L05.3 L05.4 L05.5 L05.6 L05.7 L05.8 L05.9 L06.0 L06.1 L06.2 L06.3 L06.4 L06.5 L06.6 L06.7 L06.8 L06.9 L07.0 L07.1 L07.2 L07.3 L07.4 L07.5 L07.6 L07.7 L07.8 L07.9 L08.0 L08.1 L08.2 L08.3 L08.4 L08.5 L08.6 L08.7 L08.8 L08.9 L09.0 L09.1 L09.2 L09.3 L09.4 L09.5 L09.6 L09.7 L09.8 L09.9 L10.0 L10.1 L10.2 L10.3 L10.4 L10.5 L10.6 L10.7 L10.8 L10.9 L11.0 L11.1 L11.2 L11.3 L11.4 L11.5 L11.6 L11.7 L11.8 L11.9 L12.0 L12.1 L12.2 L12.3 L12.4 L12.5 L12.6 L12.7 L12.8 L12.9 L13.0 L13.1 L13.2 L13.3 L13.4 L13.5 L13.6 L13.7 L13.8 L13.9 L14.0 L14.1 L14.2 L14.3 L14.4 L14.5 L14.6 L14.7 L14.8 L14.9 L15.0 L15.1 L15.2 L15.3 L15.4 L15.5 L15.6 L15.7 L15.8 L15.9 L16.0 L16.1 L16.2 L16.3 L16.4 L16.5 L16.6 L16.7 L16.8 L16.9 L17.0 L17.1 L17.2 L17.3 L17.4 L17.5 L17.6 L17.7 L17.8 L17.9 L18.0 L18.1 L18.2 L18.3 L18.4 L18.5 L18.6 L18.7 L18.8 L18.9 L19.0 L19.1 L19.2 L19.3 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L36.0 L36.1 L36.2 L36.3 L36.4 L36.5 L36.6 L36.7 L36.8 L36.9 L37.0 L37.1 L37.2 L37.3 L37.4 L37.5 L37.6 L37.7 L37.8 L37.9 L38.0 L38.1 L38.2 L38.3 L38.4 L38.5 L38.6 L38.7 L38.8 L38.9 L39.0 L39.1 L39.2 L39.3 L39.4 L39.5 L39.6 L39.7 L39.8 L39.9 L40.0 L40.1 L40.2 L40.3 L40.4 L40.5 L40.6 L40.7 L40.8 L40.9 L41.0 L41.1 L41.2 L41.3 L41.4 L41.5 L41.6 L41.7 L41.8 L41.9 L42.0 L42.1 L42.2 L42.3 L42.4 L42.5 L42.6 L42.7 L42.8 L42.9 L43.0 L43.1 L43.2 L43.3 L43.4 L43.5 L43.6 L43.7 L43.8 L43.9 L44.0 L44.1 L44.2 L44.3 L44.4 L44.5 L44.6 L44.7 L44.8 L44.9 L45.0 L45.1 L45.2 L45.3 L45.4 L45.5 L45.6 L45.7 L45.8 L45.9 L46.0 L46.1 L46.2 L46.3 L46.4 L46.5 L46.6 L46.7 L46.8 L46.9 L47.0 L47.1 L47.2 L47.3 L47.4 L47.5 L47.6 L47.7 L47.8 L47.9 L48.0 L48.1 L48.2 L48.3 L48.4 L48.5 L48.6 L48.7 L48.8 L48.9 L49.0 L49.1 L49.2 L49.3 L49.4 L49.5 L49.6 L49.7 L49.8 L49.9 L50.0 L50.1 L50.2 L50.3 L50.4 L50.5 L50.6 L50.7 L50.8 L50.9 L51.0 L51.1 L51.2 L51.3 L51.4 L51.5 L51.6 L51.7 L51.8 L51.9 L52.0 L52.1 L52.2 L52.3 L52.4 L52.5 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L69.2 L69.3 L69.4 L69.5 L69.6 L69.7 L69.8 L69.9 L70.0 L70.1 L70.2 L70.3 L70.4 L70.5 L70.6 L70.7 L70.8 L70.9 L71.0 L71.1 L71.2 L71.3 L71.4 L71.5 L71.6 L71.7 L71.8 L71.9 L72.0 L72.1 L72.2 L72.3 L72.4 L72.5 L72.6 L72.7 L72.8 L72.9 L73.0 L73.1 L73.2 L73.3 L73.4 L73.5 L73.6 L73.7 L73.8 L73.9 L74.0 L74.1 L74.2 L74.3 L74.4 L74.5 L74.6 L74.7 L74.8 L74.9 L75.0 L75.1 L75.2 L75.3 L75.4 L75.5 L75.6 L75.7 L75.8 L75.9 L76.0 L76.1 L76.2 L76.3 L76.4 L76.5 L76.6 L76.7 L76.8 L76.9 L77.0 L77.1 L77.2 L77.3 L77.4 L77.5 L77.6 L77.7 L77.8 L77.9 L78.0 L78.1 L78.2 L78.3 L78.4 L78.5 L78.6 L78.7 L78.8 L78.9 L79.0 L79.1 L79.2 L79.3 L79.4 L79.5 L79.6 L79.7 L79.8 L79.9 L80.0 L80.1 L80.2 L80.3 L80.4 L80.5 L80.6 L80.7 L80.8 L80.9 L81.0 L81.1 L81.2 L81.3 L81.4 L81.5 L81.6 L81.7 L81.8 L81.9 L82.0 L82.1 L82.2 L82.3 L82.4 L82.5 L82.6 L82.7 L82.8 L82.9 L83.0 L83.1 L83.2 L83.3 L83.4 L83.5 L83.6 L83.7 L83.8 L83.9 L84.0 L84.1 L84.2 L84.3 L84.4 L84.5 L84.6 L84.7 L84.8 L84.9 L85.0 L85.1 L85.2 L85.3 L85.4 L85.5 L85.6 L85.7 L85.8 L85.9 L86.0 L86.1 L86.2 L86.3 L86.4 L86.5 L86.6 L86.7 L86.8 L86.9 L87.0 L87.1 L87.2 L87.3 L87.4 L87.5 L87.6 L87.7 L87.8 L87.9 L88.0 L88.1 L88.2 L88.3 L88.4 L88.5 L88.6 L88.7 L88.8 L88.9 L89.0 L89.1 L89.2 L89.3 L89.4 L89.5 L89.6 L89.7 L89.8 L89.9 L90.0 L90.1 L90.2 L90.3 L90.4 L90.5 L90.6 L90.7 L90.8 L90.9 L91.0 L91.1 L91.2 L91.3 L91.4 L91.5 L91.6 L91.7 L91.8 L91.9 L92.0 L92.1 L92.2 L92.3 L92.4 L92.5 L92.6 L92.7 L92.8 L92.9 L93.0 L93.1 L93.2 L93.3 L93.4 L93.5 L93.6 L93.7 L93.8 L93.9 L94.0 L94.1 L94.2 L94.3 L94.4 L94.5 L94.6 L94.7 L94.8 L94.9 L95.0 L95.1 L95.2 L95.3 L95.4 L95.5 L95.6 L95.7 L95.8 L95.9 L96.0 L96.1 L96.2 L96.3 L96.4 L96.5 L96.6 L96.7 L96.8 L96.9 L97.0 L97.1 L97.2 L97.3 L97.4 L97.5 L97.6 L97.7 L97.8 L97.9 L98.0 L98.1 L98.2 L98.3 L98.4 L98.5 L98.6 L98.7 L98.8 L98.9 L99.0 L99.1 L99.2 L99.3 L99.4 L99.5 L99.6 L99.7 L99.8 L99.9	Q37.4 Q37.5 Q37.8 Q37.9 Q38.0 Q38.1 Q38.2 Q38.3 Q38.4 Q38.6 Q38.7 Q38.8 R04.1 R68.2 R68.84 S01.20XA S01.21XA S01.22XA S01.23XA S01.24XA S01.25XA S01.401A S01.402A S01.409A S01.411A S01.412A S01.419A S01.421A S01.422A S01.429A S01.431A S01.432A S01.439A S01.441A S01.442A S01.449A S01.451A S01.452A S01.459A S01.501A S01.502A S01.511A S01.512A S01.521A S01.522A S01.531A S01.532A S01.541A S01.542A S01.551A S01.552A S02.30XA S02.30XB S02.31XA S02.31XB S02.32XA S02.32XB S02.400A S02.400B S02.401A S02.401B S02.402A S02.402B S02.40AA S02.40AB S02.40BA S02.40BB S02.40CA S02.40CB S02.40DA S02.40DB S02.40EA S02.40EB S02.40FA S02.40FB S02.411A S02.411B S02.412A S02.412B S02.413A S02.413B S02.42XA S02.42XB S02.600A S02.600B S02.601A S02.601B S02.602A S02.602B S02.609A S02.609B S02.610A S02.610B S02.611A S02.611B S02.612A S02.612B S02.620A S02.620B S02.621A S02.621B S02.622A S02.622B S02.630A S02.630B S02.631A S02.631B S02.632A S02.632B S02.640A S02.640B S02.641A S02.641B S02.642A S02.642B S02.650A S02.650B S02.651A S02.651B S02.652A S02.652B S02.66XA S02.66XB S02.670A S02.670B S02.671A S02.671B S02.672A S02.672B S02.69XA S02.69XB S02.80XA S02.80XB S02.81XA S02.81XB S02.82XA S02.82XB S02.831A S02.831B S02.832A S02.832B S02.839A S02.839B S02.841A S02.841B S02.842A S02.842B S02.849A S02.849B S02.85XA S02.85XB S02.92XA S02.92XB S03.00XA S03.01XA S03.02XA S03.03XA S06.A0XA S06.A1XA S07.0XXA	S07.1XXA S07.8XXA S07.9XXA S08.811A S08.812A S09.0XXA S09.10XA S09.11XA S09.19XA S09.8XXA S09.90XA S09.92XA S09.93XA S11.011A S11.012A S11.013A S11.014A S11.015A S11.019A S11.021A S11.022A S11.023A S11.024A S11.025A S11.029A S11.031A S11.032A S11.033A S11.034A S11.035A S11.039A S11.10XA S11.11XA S11.12XA S11.13XA S11.14XA S11.15XA S11.20XA S11.21XA S11.22XA S11.23XA S11.24XA S11.25XA S11.80XA S11.81XA S11.82XA S11.83XA S11.84XA S11.85XA S11.89XA S11.90XA S11.91XA S11.92XA S11.93XA S11.94XA S11.95XA S12.8XXA S15.101A S15.102A S15.109A 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 S17.0XXA S17.8XXA S17.9XXA S19.80XA S19.81XA S19.82XA	S19.83XA S19.84XA S19.85XA S19.89XA S19.9XXA T17.200A T17.208A T17.210A T17.218A T17.220A T17.228A T17.290A T17.298A T17.300A T17.308A T17.310A T17.318A T17.320A T17.328A T17.390A T17.398A T18.0XXA T28.0XXA T28.5XXA Z85
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# 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	B06.00	B44.81	B66.3	C16.0	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	A85.0	B06.81	B45.0	B66.8	C16.3	C40.00
A05.1	A22.0	A42.89	A52.79	A85.1	B06.82	B45.2	B67.0	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	A43.0	A54.01	A86	B08.3	B45.7	B67.2	C16.6	C40.10
A05.4	A22.9	A43.1	A54.02	A87.0	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	B47.0	B67.39	C17.0	C40.20
A06.0	A24.0	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	B17.0	B47.9	B67.5	C17.2	C40.22
A06.2	A24.2	A44.8	A54.22	A88.0	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	A25.0	A48.52	A54.29	A90	B17.9	B48.8	B67.8	C18.0	C40.80
A06.89	A25.1	A50.01	A54.30	A91	B18.0	B49	B67.90	C18.1	C40.81
A07.1	A25.9	A50.02	A54.31	A92.0	B18.1	B50.0	B67.99	C18.2	C40.82
A07.2	A27.0	A50.03	A54.32	A92.1	B18.8	B50.8	B68.0	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	A28.0	A50.06	A54.40	A92.5	B19.9	B51.9	B69.0	C18.6	C41.0
A07.9	A28.1	A50.07	A54.41	A92.8	B20	B52.0	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	A93.0	B25.8	B52.9	B69.89	C18.9	C41.3
A08.19	A28.9	A50.2	A54.49	A93.1	B25.9	B53.0	B69.9	C19	C41.4
A08.2	A30.0	A50.30	A54.82	A93.2	B26.0	B53.1	B70.0	C20	C41.9
A08.31	A30.1	A50.31	A54.83	A93.8	B26.3	B53.8	B70.1	C21.0	C45.0
A08.32	A30.2	A50.32	A54.84	A94	B26.81	B54	B71.0	C21.1	C45.1
A08.39	A30.3	A50.39	A54.85	A95.0	B26.82	B55.0	B71.1	C21.2	C45.2
A09	A30.4	A50.40	A54.89	A95.1	B26.83	B55.1	B71.8	C21.8	C46.0
A15.0	A30.5	A50.43	A54.9	A95.9	B26.84	B55.2	B72	C22.0	C46.1
A15.4	A30.8	A50.44	A68.0	A96.0	B26.85	B55.9	B73.00	C22.1	C46.2
A15.5	A30.9	A50.45	A68.1	A96.1	B26.89	B56.0	B73.01	C22.2	C46.3
A15.6	A31.0	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	A98.0	B33.21	B57.0	B73.1	C22.7	C46.51
A15.9	A31.8	A50.53	A69.21	A98.1	B33.22	B57.1	B74.0	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	A32.0	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	C24.0	C47.0
A18.03	A32.12	A50.57	A70	A99	B37.0	B57.32	B74.4	C24.1	C47.10
A18.09	A32.81	A50.59	A75.0	B00.2	B37.41	B57.39	B74.8	C24.8	C47.11

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



Pre-MDC

