OPTUM360°™

ICD-10-CM Clinical Documentation Improvement Desk Reference

The Clinician's Checklist for ICD-10-CM

Your copy of this manual includes *The Clinician's Checklist for ICD-10-CM*, a trifold card with documentation tips for the most important chronic and acute medical conditions. Use this card to help clinicians understand the documentation needed for accurate ICD-10-CM coding.

2017

Contents

Section 1: Introduction **1**
Goals of Clinical Documentation Improvement 1
How to Use This Book 3

Section 2: Clinical Documentation Improvement Processes—Best Practices **7**
Assessment 7
Implementation 9
Sustainability 15
CDI Success Metrics 16
Clinical Documentation Improvement in the 21st Century 17
Conclusion 19

Section 3: Documentation Issues **21**

Chapter 1: Infectious and Parasitic Diseases ***22***
Mapping Tables 22
Sepsis (Systemic, Generalized, Complication) 25
Gastroenteritis (Viral, Bacterial, Protozoal) 30
Foodborne Intoxication and Infection 32
Human Immunodeficiency Virus (HIV) Disease 34

Chapter 2: Neoplasms ***36***
Mapping Tables 36
Malignant Neoplasm of Liver and Intrahepatic Bile Ducts 38
Malignant Neoplasm of Breast 41
Malignant Neoplasm of Unspecified Site 43

Chapter 3: Diseases of the Blood & Blood-Forming Organs and Certain Disorders Involving the Immune Mechanism ***46***
Mapping Tables 46
Iron-Deficiency Anemia 47
Acquired Hemolytic Anemia 48
Postoperative Anemia 51

Chapter 4: Endocrine, Nutritional and Metabolic Diseases ***53***
Mapping Tables 53
Diabetes Mellitus 54

Chapter 5: Mental, Behavioral and Neurodevelopmental Disorders ***59***
Mapping Tables 59
Alcohol Dependence 61
Alcohol Abuse 64
Alcohol Use 66
Drug Dependence 68
Drug/Substance Abuse 70
Drug/Substance Use 72
Nicotine Dependence (Cigarettes, Chewing Tobacco, Other Tobacco Product) 74
Major Depression 76

© 2016 Optum360, LLC

Chapter 6: Diseases of the Nervous System 78
Mapping Tables 78
Encephalopathy 80
Epilepsy and Recurrent Seizures 83
Migraine 90

Chapter 7: Diseases of the Eye and Adnexa 95
Mapping Table 95
Age-related (Senile) Cataract 96
Complicated Cataract 98
Glaucoma 100

Chapter 8: Diseases of the Ear and Mastoid Process 104
Mapping Table 104
Hearing Loss 105
Abnormal Auditory Perceptions and Acoustic (Auditory) Nerve Disorders 107
Intraoperative and Postprocedural Complications and Disorders of Ear and Mastoid Process 109

Chapter 9: Diseases of the Circulatory System 111
Mapping Table 111
Hypertensive Diseases 113
Acute Myocardial Infarction (AMI) 116
Chronic Ischemic Heart Disease 120
Rhythm and Conduction Disorders 122
Heart Failure 124
Cerebrovascular Infarction and Hemorrhage 126

Chapter 10: Diseases of the Respiratory System 129
Mapping Tables 129
Influenza 130
Emphysema 133
Chronic Obstructive Pulmonary Disease (COPD) 136
Asthma 138
Asthma Severity Levels 139
Respiratory Failure 140
Atelectasis 142
Ventilation 143

Chapter 11: Diseases of the Digestive System 144
Mapping Table 144
Crohn's Disease 145
Ulcerative Colitis 147
Hemorrhoids and Perianal Venous Thrombosis 150

Chapter 12: Diseases of the Skin and Subcutaneous Tissue 151
Mapping Tables 151
Cutaneous Abscess, Furuncle and Carbuncle 152
Cellulitis and Acute Lymphangitis 154
Pressure Ulcer 156
Non-Pressure Ulcer 158

© 2016 Optum360, LLC

Chapter 13: Diseases of the Musculoskeletal System and Connective Tissue 160
Mapping Table 160
Non-traumatic Fracture of Spine/Vertebra 162
Spinal Disc Disorders (Dorsopathies) 166
Shoulder Disorders 171

Chapter 14: Diseases of the Genitourinary System 174
Mapping Table 174
Hematuria in Glomerular Disease 175
Other Specified Disorders of Kidney and Ureter 180
Intraoperative and Postprocedural Complications and Disorders of Genitourinary System 184

Chapter 15: Pregnancy, Childbirth, and the Puerperium 187
Mapping Table 187
Hypertension Complicating Childbirth, Pregnancy and the Puerperium 188

Chapter 16: Certain Conditions Originating in the Perinatal Period 190
Mapping Table 190
Respiratory Distress of Newborn 191

Chapter 17: Congenital Malformations, Deformation, and Chromosomal Abnormalities 193
Mapping Table 193
Congenital Malformations of Great Arteries 193

Chapter 18: Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified 195
Mapping Table 195
Respiratory Arrest 196
Coma 197
Other Symptoms and Signs Involving Cognitive Functions and Awareness 199

Chapter 19: Injury, Poisoning and Certain Other Consequences of External Causes 204
Mapping Table 204
Fracture of Femur 207
Coumadin Toxicity 210
Intracranial Injury 212

Chapter 20: External Causes of Morbidity 220
Mapping Table 220

Chapter 21: Factors Influencing Health Status and Contact with Health Services 221
Mapping Table 221

Section 4: Terminology Translator 223

Appendix 1: Physician Query Samples 233
Pressure Ulcer Clarification 233
Pneumonia Clarification 234
Respiratory Diagnosis Clarification 235
Diagnosis Linkage Clarification 236
Anemia Clarification 237
Intracerebral Bleeding Clarification 238
Chest Pain Clarification 239
Confirmation Request for Pathology Findings 240

© 2016 Optum360, LLC

Appendix 2: Physician Documentation Training 241
SEPSIS 241
Viral, Bacterial, Protozoal Gastroenteritis 242
Foodborne Intoxication and Infection 243
Human Immunodeficiency Virus 244
Carcinoma of the liver 245
Malignant Neoplasm of Breast 246
Iron Deficiency Anemia and Postoperative Anemia 247
Acquired Hemolytic Anemia 248
Diabetes Mellitus 249
Drug and/or Alcohol Dependence and Abuse 251
Depression 252
Epilepsy and Recurrent Seizures 253
Cataract 254
Hypertensive Diseases 255
Acute Myocardial Infarction 256
Asthma 257
Colitis 258
Other Dorsopathies 259
Edema During Pregnancy, Childbirth, or Puerperium 260
Fractures 261
Poisoning and Toxic Effects of Substances 262

Appendix 3: ICD-10-CM Draft Official Guidelines for Coding and Reporting 2014 263
Section I. Conventions, general coding guidelines and chapter specific guidelines 268
Section II. Selection of Principal Diagnosis 325
Section III. Reporting Additional Diagnoses 328
Section IV. Diagnostic Coding and Reporting Guidelines for Outpatient Services 330

© 2016 Optum360, LLC

Chapter 2: Neoplasms

Mapping Tables

Malignant Neoplasm of Liver and Intrahepatic Bile Ducts

ICD-9-CM Terminology	Category	ICD-10-CM Terminology	Category
Malignant neoplasm of liver primary	**155**	[Diagnoses specify type:] Liver cell carcinoma Hepatoblastoma Angiosarcoma of liver Other sarcoma of liver Other specified carcinomas of liver Malignant neoplasm of liver, primary, unspecified as to type	**C22**

Malignant Neoplasm of Breast

ICD-9-CM Terminology	Category	ICD-10-CM Terminology	Category
Malignant neoplasm of (female) breast (anatomic site/quadrant)	**174**	Malignant neoplasm of (female) breast (anatomic site/quadrant): Laterality included: Right Left Unspecified	**C5Ø**
Malignant neoplasm of (male) breast: Nipple and areola Other & unspecified sites	**175**	Malignant neoplasm of male breast (aligned with female anatomic site classifications and laterality: Central portion Quadrant Axillary tail Overlapping sites Right/Left/Unspecified	**C5Ø**
Carcinoma in situ of breast	**233**	Carcinoma in situ of breast	**DØ5**

Malignant Neoplasm of Unspecified Site

ICD-9-CM Terminology	Category	ICD-10-CM Terminology	Category
Malignant neoplasm, primary, secondary, disseminated	**199**	Malignant neoplasm, primary, secondary, disseminated	**C79, C8Ø**
Carcinoma in situ, unspecified	**234**	Carcinoma in situ, unspecified	**DØ9**
Other malignant neoplasm of unspecified site	**199**	Malignant (primary) neoplasm, unspecified	**C8Ø**

© 2016 Optum360, LLC

Malignant Neoplasm of Liver and Intrahepatic Bile Ducts

I-10 ALERT

There are currently eight ICD-10-CM codes available to report malignant neoplasms of the liver and intrahepatic bile ducts, as opposed to only three in ICD-9-CM.

Code Axes

Liver cell carcinoma	**(C22.0)** CC
Intrahepatic bile duct carcinoma	**(C22.1)** CC
Hepatoblastoma	**(C22.2)** CC
Angiosarcoma of liver	**(C22.3)** CC
Other sarcomas of liver	**(C22.4)** CC
Other specified carcinomas of liver	**(C22.7)** CC
Malignant neoplasm of liver, primary, unspecified as to type	**(C22.8)** CC
Malignant neoplasm of liver, not specified as primary or secondary	**(C22.9)** CC

Translation

Liver cell carcinoma (C22.0)

CDI ALERT

Physicians will be required to document specific forms of liver malignancies under ICD-10-CM. Ensure that they are aware of the eight different classifications available.

Clinical Tip

Liver cell carcinoma is a primary tumor and is the most common type of malignancy involving the liver. There are two main causes: one is due to a viral hepatitis B or C infection, and the other is due to hepatic cirrhosis, most commonly caused by alcoholism. The tumor involves the hepatocyte cells, which comprise approximately 80 percent of the liver. Prognosis is typically poor with this type of malignancy.

Cholangiocarcinoma with hepatocellular carcinoma, combined, is found in code C22.0. Liver cholangiocarcinoma is found in code C22.1.

Key Terms

Key terms found in the documentation for liver cell carcinoma may include:

Hepatocellular carcinoma
Hepatoma
Malignant hepatoma
Primary liver carcinoma
Primary liver cell carcinoma
HCC

CDI ALERT

Ensure that documentation for this type of malignancy is consistent with a primary tumor.

Physician Note

Because there appears to be a direct correlation to the increased incidence of HCC and alcohol abuse, alcohol dependence, hepatitis B and hepatitis C

© 2016 Optum360, LLC

these conditions should be documented when present and reported separately using the appropriate code.

Intrahepatic bile duct carcinoma (C22.1)

Clinical Tip
A malignancy that invades bile ducts within the liver is called an intrahepatic bile duct carcinoma; only about 1Ø percent of all bile duct carcinomas are intrahepatic. Prognosis depends on location of the tumor and the extent of spread, or stage.

Key Terms
Key terms found in the documentation for intrahepatic bile duct carcinoma may include:

Cholangiocarcinoma

Intracholangiocarcinoma

Adenocarcinoma of intrahepatic bile duct

Physician Note
Careful review of the medical record documentation is required to prevent incorrect classification. When documentation indicates terms such as extrahepatic or hepatic duct, the condition is more than likely classified elsewhere.

I-10 ALERT

Do not confuse intrahepatic and extrahepatic bile duct malignancies; the latter is indexed to code C24.Ø and includes those neoplasms in other biliary ducts, the common bile duct, cystic duct, or hepatic duct.

CDI ALERT

Manifestations of cancer that are not integral to the cancer, i.e., not one of the clinical indicators for the cancer, should be documented and reported when they meet criteria as an additional diagnosis:

- Anemia in neoplastic disease
- Ascites
- Coagulation defect due to liver disease
- Encephalopathy due to hepatic failure
- Hemorrhage/bleeding (of site)
- Peritonitis

Hepatoblastoma (C22.2)

Clinical Tip
Hepatoblastoma is a rare liver malignancy that typically affects infants and small children, usually no more than three years of age. The tumor originates from immature liver precursor cells, most often involving the right liver lobe. Several genetic conditions can increase a patient's risk for developing hepatoblastoma, including Beckwith-Wiedemann syndrome, hemihypertrophy, and familial adenomatous polyposis.

I-10 ALERT

In ICD-9-CM, both hepatocellular (liver cell) carcinomas and hepatoblastomas were indexed and classified to the same code (155.Ø). In ICD-1Ø-CM, they each have a separate subclassification: C22.Ø for liver cell carcinoma and C22.2 for hepatoblastoma. This should be kept in mind when using mapping processes and reviewing longitudinal clinical data.

Angiosarcoma of liver (C22.3)

Clinical Tip
A liver angiosarcoma is a tumor that arises from the endothelial cells that line the walls of the blood vessels. The portal vein or central and sublobular veins are often involved. The causes of angiosarcoma include toxic exposure to thorium dioxide (Thorotrast), vinyl chloride and arsenic, which may have occurred thirty or more years previously.

Key Terms
Key terms found in the documentation for angiosarcoma of liver may include:

Kupffer cell sarcoma

Hemangioendothelioma

Hepatic angiosarcoma

© 2016 Optum360, LLC