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.
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
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
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

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
# Chapter 2: Neoplasms

## Mapping Tables

### Malignant Neoplasm of Liver and Intrahepatic Bile Ducts

<table>
<thead>
<tr>
<th>ICD-9-CM Terminology</th>
<th>Category</th>
<th>ICD-10-CM Terminology</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malignant neoplasm of liver primary</td>
<td>155</td>
<td>[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</td>
<td>C22</td>
</tr>
</tbody>
</table>

### Malignant Neoplasm of Breast

<table>
<thead>
<tr>
<th>ICD-9-CM Terminology</th>
<th>Category</th>
<th>ICD-10-CM Terminology</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malignant neoplasm of (female) breast (anatomic site/quadrant)</td>
<td>174</td>
<td>Malignant neoplasm of (female) breast (anatomic site/quadrant): Laterality included: Right Left Unspecified</td>
<td>C50</td>
</tr>
<tr>
<td>Malignant neoplasm of (male) breast: Nipple and areola Other &amp; unspecified sites</td>
<td>175</td>
<td>Malignant neoplasm of male breast (aligned with female anatomic site classifications and laterality: Central portion Quadrant Axillary tail Overlapping sites Right/Left/Unspecified</td>
<td>C50</td>
</tr>
<tr>
<td>Carcinoma in situ of breast</td>
<td>233</td>
<td>Carcinoma in situ of breast</td>
<td>D05</td>
</tr>
</tbody>
</table>

### Malignant Neoplasm of Unspecified Site

<table>
<thead>
<tr>
<th>ICD-9-CM Terminology</th>
<th>Category</th>
<th>ICD-10-CM Terminology</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malignant neoplasm, primary, secondary, disseminated</td>
<td>199</td>
<td>Malignant neoplasm, primary, secondary, disseminated</td>
<td>C79, C80</td>
</tr>
<tr>
<td>Carcinoma in situ, unspecified</td>
<td>234</td>
<td>Carcinoma in situ, unspecified</td>
<td>D09</td>
</tr>
<tr>
<td>Other malignant neoplasm of unspecified site</td>
<td>199</td>
<td>Malignant (primary) neoplasm, unspecified</td>
<td>C80</td>
</tr>
</tbody>
</table>
Malignant Neoplasm of Liver and Intrahepatic Bile Ducts

Code Axes

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

Translation

Liver cell carcinoma (C22.0)

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

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
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 10 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.

**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.

**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

Do not confuse intrahepatic and extrahepatic bile duct malignancies; the latter is indexed to code C24.0 and includes those neoplasms in other biliary ducts, the common bile duct, cystic duct, or hepatic duct.

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

In ICD-9-CM, both hepatocellular (liver cell) carcinomas and hepatoblastomas were indexed and classified to the same code (155.8). In ICD-10-CM, they each have a separate subclassification: C22.0 for liver cell carcinoma and C22.2 for hepatoblastoma. This should be kept in mind when using mapping processes and reviewing longitudinal clinical data.