DIGESTIVE AND HEPATOBILIARY SYSTEMS

DIGESTIVE SYSTEM SITES

Below is information about the subsites of the colon

- The *ascending colon*, measuring 15 to 20 cm, begins with the *cecum*, a 6 to 9 cm pouch that arises at the proximal segment of the right colon at the end of the terminal ileum. It is covered with a visceral peritoneum (serosa) and measures 15 to 20 cm. The ascending colon ends at the *hepatic flexure*, which transitions the ascending colon into the *transverse colon*, passing just inferior to the liver and anterior to the duodenum.
- The *transverse colon*, measuring 18 to 22 cm long, is completely intraperitoneal and supported on a mesentery that is attached to the pancreas. Anteriorly the serosa is continuous with the gastrocolic ligament. The transverse colon ends at the *splenic flexure*, which transitions into the *descending colon*.
- The *descending colon*, measuring 10 to 15 cm long, passes interiorly to the spleen and anterior to the tail of the pancreas. The posterior aspect lacks serosa and is in direct contact with the retroperitoneum.
- The *sigmoid colon*, measuring 15 to 20 cm long, is completely intraperitoneal with a mesentery that develops at the medial border of the left psoas major muscle and extends to the *rectum*. The transition from the sigmoid colon to the rectum is marked by the fusion of the taenia of the sigmoid colon to the circumferential muscle of the rectum.
- The *rectum*, measuring 12 to 16 cm, is covered by peritoneum in front and on both sides.

TABLE OF ANATOMIC STRUCTURES

PRIMARY SITE	ICD-O	MUCOSA: -Epithelium -Lamina Propria -Muscularis	SUB-MUCOSA	MUSCU-LARIS	SUB-SEROSAL TISSUE	SUB-SEROSA	OUTSIDE THE SEROSA
ESOPHAGUS	C15_	Yes	Yes	Yes	See note 4	**No**	See note 4
STOMACH	C16_	Yes	Yes	Yes	**No**	Yes	Greater and lesser omentum
SMALL INTESTINE	C17_	Yes	Yes	Yes	**No**	Yes	Mesentery of small intestine
COLON	C18_	Yes	Yes	Yes			
CECUM	C180	Yes	Yes	Yes	Yes	Yes	
APPENDIX	C181	Yes	Yes	Yes	Yes	Yes	
ASCENDING	C182	Yes	Yes	Yes	**No**	See note 5	
HEPATIC FLEXURE	C183	Yes	Yes	Yes	Yes	Yes	Mesenteric or pericolic fat
TRANSVERSE	C184	Yes	Yes	Yes	Yes	Yes	

PRIMARY SITE	ICD-O	MUCOSA: -Epithelium -Lamina Propria -Muscularis	SUB-MUCOSA	MUSCU-LARIS	SUB-SEROSAL TISSUE	SUB-SEROSA	OUTSIDE THE SEROSA
SPELNIC FLEXURE	C185	Yes	Yes	Yes	Yes	Yes	
DESCENDING	C186	Yes	Yes	Yes	**No**	See note 5	
SIGMOID	C187	Yes	Yes	Yes	Yes	Yes	
OVERLAPPING	C188	Yes	Yes	Yes		Yes	
COLON, NOS	C189	Yes	Yes	Yes			
RECTO-SIGMOID	C199	Yes	Yes	Yes	Yes	Yes	Mesenteric or pericolic perirectal fat
RECTUM	C209	Yes	Yes	Yes	**No**	**No**	See note 6

1 Subserosal tissues include fat and flesh between the muscularis and the serosa.
2 Serosa is also called mesothelium and visceral peritoneum. For the stomach and small intestine, serosa is also referred to as tunica serosa. The term “serosa” is sometimes generically used to include both the serosa and the subserosa, and therefore, the clinician should be consulted to determine if the use of “serosa” includes the subserosa also.
3 Mesenteric fat is also called pericolic fat.
4 The tissue outside the muscularis of the esophagus is composed of fibrous connective tissue and referred to as adventitia.
5 Anterior and/or medial aspects, but not lateral.
6 Referred to as perirectal tissue.

DISTINGUISHING "IN SITU" AND "LOCALIZED" TUMORS FOR THE DIGESTIVE SYSTEM

1. Historically, carcinomas described as "confined to mucosa" have been assigned 1 (localized). In order to provide greater specificity and to rule out the possibility of classifying noninvasive tumors in this category, abstractors should determine
    a. If the tumor is confined to the epithelium, in which case it is in situ, OR
    b. If the tumor has penetrated the basement membrane to invade the lamina propria, in which case it is localized and assigned Summary Stage 1 (localized) for invasion of the lamina propria

        Exception: Code 0 (behavior code 2) includes cancer cells confined within the glandular basement membrane (intraepithelial); includes in situ plus intramucosal carcinoma (involvement of the lamina propria and may involve but not penetrate through the muscularis mucosa) (penetration through the muscularis mucosa is behavior code 3.)

2. The layers of the digestive tract consist of
    a. The **EPITHELIAL LAYER** borders on the lumen. It contains no blood vessels or lymphatics
    b. The **BASEMENT MEMBRANE**, a sheet of extracellular material, functions as a filtration barrier and a boundary involved in generating and maintaining tissue structure
    c. The **LAMINA PROPRIA**, composed of areolar connective tissue, contains blood vessels, nerves, and, in some regions, glands. Once tumor has broken through the basement membrane into the lamina propria, it can spread by way of the lymphatics and blood vessels to other parts of the body
    d. The **MUSCULARIS MUCOSAE** is a thin layer of smooth muscle fibers. It is found in the wall of the digestive tract from the esophagus to the anal canal
    e. The **SUBMUCOSA** is a thick layer of either dense or areolar connective tissue. It contains blood vessels, lymphatic vessels, nerves, and, in some regions, glands
    f. The **MUSCULARIS PROPRIA** is a double layer of muscle tissue in most of the digestive tract; it constitutes the wall of the organ.
    g. The **SEROSA**, the outermost layer covering most of the digestive tract, is a single layer of squamous epithelial cells, part of the visceral peritoneum.
    h. The **SUBSEROSA** is inside the serosa (mesothelium), and sometimes part of the serosa. The serosa and subserosa are present only in the peritonealized portions of the digestive tract.
        i. For the esophagus and in the rectum below the peritoneal reflection, there is no serosa
        ii. For the esophagus, the connective tissue of surrounding structures merges with the connective tissue of the esophagus and is called **ADVENTITIA**.

ESOPHAGUS

C150-C155, C158-C159 (8000-8700, 8720-8790, 9700-9701)

C160 and Schema Discriminator 1: EsophagusGEJunction (EGJ)/Stomach: 2 (8000-8149, 8154, 8157, 8160-8231, 8243-8248, 8250-8682, 8690-8700, 8720-8790, 9700-9701)

C150-C155, C158-C160
C150 Cervical esophagus
C151 Thoracic esophagus
C152 Abdominal esophagus
C153 Upper third of esophagus
C154 Middle third of esophagus
C155 Lower third of esophagus
C158 Overlapping lesion of esophagus
C159 Esophagus, NOS
C160 Cardia, esophagogastric junction (EGJ)

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 16 *Esophagus and Esophagogastric Junction*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- C160 (8150-8153, 8155-8156, 8158, 8240-8242, 8249, 8683): *NET Stomach*
- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

Note 3: Cancers involving the EGJ that have their epicenter within the proximal 2 cm of the cardia (Siewert types I/II) are to be staged as esophageal cancers (see the Esophagus (excluding GIST) chapter). Cancers whose epicenter is more than 2 cm distal from the EGJ, even if the EGJ is involved, will be staged using the stomach cancer chapter.

- The Schema Discriminator *EsophagusGEJunction (EGJ)/Stomach* is used to discriminate between EsophagusGEJunction and Stomach which are coded to ICD-O-3 code C160

Note 4: Non-invasive carcinomas in the esophagus formerly called in situ are now called high grade dysplasia. High grade dysplasia and severe dysplasia are generally not reportable in cancer registries.

- Code 0 if your registry collects these tumors

SUMMARY STAGE

0 In situ, intraepithelial, non-invasive; high-grade dysplasia

- (Adeno)carcinoma, noninvasive, in a polyp

1 Localized only (localized, NOS)

- Confined to esophagus, NOS
- Extension through wall, NOS
- Invasion of
    - Intramucosa, NOS
    - Lamina propria
    - Mucosa, NOS
    - Muscularis mucosae
    - Muscularis, NOS
    - Muscularis propria
    - Submucosa (superficial invasion)
- Perimuscular tissue invaded
- Subserosal tissue/(sub)serosal fat invaded

2 Regional by direct extension only

- All sites
    - Adjacent structure(s), NOS
    - Adventitia and/or soft tissue invaded
    - Aorta
    - Azygos vein
    - Diaphragm (excluding abdominal/lower esophagus, see code 7)
    - Esophagus is described as "FIXED"
    - Extension to adjacent (connective) tissue WITHOUT perforation of visceral peritoneum covering these structures
    - Gastric artery
    - Ligaments
        - Gastrocolic
        - Gastrohepatic
        - Gastrosplenic
        - Omentum (greater, lesser, NOS)

    - Mesothelium
    - Pericardium (excluding thoracic/middle esophagus, see code 7)
    - Perigastric fat
    - Peritoneum, NOS
    - Pleura (excluding cervical/upper esophagus, see code 7)
    - Serosa (invasion of/or through)
    - Tunica serosa
    - Vertebral body
    - Visceral peritoneum (including perforation)
- Cervical esophagus
    - Blood vessel(s)
        - Carotid artery
        - Subclavian artery
    - Carina
    - Cervical vertebra(e)
    - Hypopharynx
    - Jugular vein
    - Larynx
    - Thyroid
    - Trachea
- Intrathoracic, upper or mid-portion, esophagus
    - Blood vessel(s), major
        - Gastric artery/vein
        - Pulmonary artery/vein
        - Vena cava
    - Carina
    - Stomach, cardia (via serosa)
    - Trachea
- Intrathoracic, lower portion (abdominal), esophagus
    - Blood vessel(s)
        - Vena cava
- Intrathoracic esophagus (all portions)
    - Adjacent rib(s)
    - Lung via bronchus
    - Mediastinal structure(s), NOS
    - Thoracic vertebra(e)
- Esophagus GE Junction
    - Liver
    - Pancreas
    - Small intestine (duodenum [via serosa], ileum, jejunum)
    - Spleen
    - Transverse colon (including flexures)

3 Regional lymph node(s) involved only

- All subsites
  - Nodule(s) in perigastric fat
  - Peri-/paraesophageal (8L, 8M) (excluding GE junction)
  - Regional lymph node(s), NOS
    - Lymph node(s), NOS
- Cervical esophagus only
  - Cervical, NOS
    - Anterior deep cervical (laterotracheal) (recurrent laryngeal)
    - Deep cervical, NOS
    - Internal jugular, NOS
      - Jugulodigastric (subdigastric)
      - Upper, NOS
  - Scalene (inferior deep cervical) (1)
  - Supraclavicular (transverse cervical) (1)
- Intrathoracic esophagus, upper or middle, only
  - Internal jugular, NOS
    - Deep cervical, NOS
      - Jugulodigastric (subdigastric)
      - Jugulo-omohyoid (supraomohyoid)
      - Lower, NOS
      - Middle
      - Upper cervical, NOS
  - Intrabronchial
    - Carinal (tracheobronchial) (10R, 10L) (tracheal bifurcation)
    - Hilar (bronchopulmonary) (proximal lobar) (pulmonary root)
    - Left gastric (superior gastric) (17)
      - Cardiac (cardial)
      - Lesser curvature
      - Perigastric, NOS
    - Peritracheal
  - Posterior mediastinal (tracheoesophageal)
  - Superior mediastinal
- Intrathoracic esophagus, lower (abdominal) only
  - Left gastric (superior gastric) (17)
    - Cardiac (cardial)
    - Lesser curvature
    - Perigastric, NOS
  - Posterior mediastinal (3P) (tracheoesophageal)
- Esophagus GE Junction
  - Celiac (20)
  - Hepatic (excluding gastrohepatic and hepatoduodenal)
  - Left gastric (superior gastric), NOS
    - Cardiac
    - Cardioesophageal

        - Gastric, left (17)
        - Gastropancreatic, left
        - Lesser curvature
        - Lesser omental
        - Pericardial (16)

- Pancreaticosplenic (pancreaticolineal)
- Pancreatoduodenal
- Perigastric, NOS
- Peripancreatic
- Right gastric (inferior gastric), NOS
    - Gastrocolic
    - Gastroduodenal
    - Gastroepiploic (gastro-omental), right or NOS
    - Gastrohepatic
    - Greater curvature
    - Greater omental
    - Pyloric, NOS
        - Infrapyloric (subpyloric)
        - Suprapyloric
- Splenic (lienal), NOS
    - Gastroepiploic (gastro-omental), left
    - Splenic hilar

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
    - All subsites
        - Airway
        - Stated as unresectable, NOS
        - Vertebral body
    - Abdomen/lower esophagus
        - Diaphragm fixed
    - Cervical/upper esophagus
        - Lung
        - Pleura
        - Mainstem bronchus
    - Thoracic/middle esophagus
        - Pericardium
    - Esophagus GE Junction

        - Abdominal wall
        - Adrenal (suprarenal) gland
        - Kidney
        - Pulmonary ligament (9)
        - Retroperitoneum
        - Trachea
- Distant lymph node(s), NOS
    - All subsites
        - Anterior mediastinal (6)
        - Common hepatic (18)
        - Diaphragmatic (15)
        - Mediastinal, NOS
        - Splenic (19)
        - Subcarinal (tracheal carina) (7)
    - Cervical esophagus
        - Aortopulmonary (5)
        - Para-aortic (ascending aorta or phrenic)
            - Subaortic
        - Paratracheal (2R, 2L, 4R, 4L)
        - Posterior mediastinal (3P)
        - Superior mediastinal
    - Intrathoracic esophagus, upper or middle, only
        - Aortopulmonary (5)
            - Para-aortic (ascending aorta or phrenic)
        - Cervical
    - Lower thoracic (abdominal) esophagus
        - Aortopulmonary (5)
            - Para-aortic (ascending aorta or phrenic)
            - Subaortic
        - Celiac (20)
        - Paratracheal (2R, 2L, 4R, 4L)
        - Superior mediastinal
    - Esophagus GE Junction
        - Hepatoduodenal
        - Mesenteric, NOS
            - Inferior mesenteric
            - Superior mesenteric
        - Para-aortic
        - Paraesophageal, NOS
        - Periesophageal, NOS
            - Anterior mediastinal (6)
            - Aortopulmonary (5)
            - Paraesophageal, lower (8l)
            - Paraesophageal, middle (8m)
            - Paratracheal, lower (4L, 4R)
            - Paratracheal, upper (2L, 2R)

            - Posterior mediastinal (3p)
            - Supraclavicular (1)
            - Tracheobronchial (hilar) (10L, 10R)
        - Porta hepatis (portal) (hilar) (in hilus of liver)
        - Retropancreatic
        - Retroperitoneal
- Distant metastasis, NOS
    - Carcinomatosis
    - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

STOMACH

C160 and Schema Discriminator 1: EsophagusGEJunction (EGJ)/Stomach: 0, 3, 9 (8000-8149, 8154, 8157, 8160-8231, 8243-8248, 8250-8682, 8690-8700, 8720-8790, 9700-9701)

All Other sites: 8000-8149, 8154, 8157, 8160-8231, 8243-8248, 8250-8682, 8690-8700, 8720-8790, 9700-9701

All sites: 8150-8153, 8155-8156, 8158, 8240-8242, 8249, 8683

C160-C166, C168-C169
C160 Cardia of stomach
C161 Fundus of stomach
C162 Body of stomach
C163 Gastric antrum
C164 Pylorus
C165 Lesser curvature of stomach, NOS
C166 Greater curvature of stomach, NOS
C168 Overlapping lesion of stomach
C169 Stomach, NOS

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 17 *Stomach*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.
- Chapter 29 *Neuroendocrine Tumors of the Stomach*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- C160 and Schema Discriminator 1: EsophagusGEJunction (EGJ)/Stomach: 2 (8000-8149, 8154, 8157, 8160-8231, 8243-8248, 8250-8682, 8690-8700, 8720-8790, 9700-9701): *Esophagus*
- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

Note 3: If a tumor involves the esophagogastric junction (EGJ) and its epicenter is less than or equal to 2 cm into the proximal stomach (i.e. less than or equal to 2 cm distal to the EGJ), use the esophageal cancer chapter for summary stage (see the Esophagus (excluding GIST) chapter). Tumors involving the EGJ with their epicenter >2 cm into the proximal stomach (i.e., >2cm distal to the EGJ) are now classified using the stomach chapter. Cardia cancers that do not invade the EGJ should be classified based on the stomach cancer chapter for summary stage.

- Schema Discriminator 1: EsophagusGEJunction (EGJ)/Stomach is used to discriminate between EsophagusGEjunction and Stomach which are coded to ICD-O-3 code C160.

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

- (Adeno)carcinoma, noninvasive, in a polyp

1 Localized only (localized, NOS)

- Confined to stomach, NOS
- Extension through wall, NOS
- Implants within stomach
- Intraluminal spread to esophagus or duodenum
- Invasion of
    - Intramucosa, NOS
    - Lamina propria
    - Mucosa, NOS
    - Muscularis mucosae
    - Muscularis, NOS
    - Muscularis propria
    - Submucosa (superficial, NOS)
- Linitis plastica (diffuse involvement of the entire stomach wall)
- Perimuscular tissue invaded
- Polyp (head, stalk, NOS)
- Subserosal tissue/(sub)serosal fat

2 Regional by direct extension only

- Adjacent (connective) tissue, NOS
- Colon/mesocolon (including transverse and flexures)
- Diaphragm
- Duodenum (via serosa)
- Esophagus (via serosa)
- Gastric artery
- Ileum

- Jejunum
- Ligaments
    - Gastrocolic
    - Gastrohepatic
    - Gastrosplenic
- Liver
- Mesothelium
- Omentum (greater, lesser, NOS)
- Pancreas
- Perigastric fat
- Serosa
- Small intestine, NOS
- Spleen
- Tunica serosa
- Visceral peritoneum

3 Regional lymph node(s) involved only

- Celiac artery
- Common hepatic artery
- Hepatic, NOS
- Left gastric (superior gastric), NOS
    - Cardial, NOS
    - Cardioesophageal
    - Gastric artery
    - Gastric, left
    - Gastrohepatic
    - Gastropancreatic, left
    - Lesser curvature
    - Lesser omentum
    - Paracardial
- Pancreaticosplenic (pancreaticolineal)
- Perigastric, NOS
- Peripancreatic
- Pyloric, NOS
    - Infrapyloric (subpyloric)
    - Suprapyloric
- Right gastric (inferior gastric, NOS)
    - Gastrocolic
    - Gastroduodenal
    - Gastroepiploic (gastro-omental), right or NOS
    - Gastrohepatic
    - Greater curvature
    - Greater omentum
    - Pancreaticoduodenal

- Splenic (lineal), NOS
    - Gastroepiploic (gastro-omental), left
    - Splenic hilar/hilum
- Nodule(s) in perigastric fat
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
    - Abdominal wall
    - Adrenal (suprarenal) gland
    - Aorta
    - Celiac axis
    - Kidney
    - Retroperitoneum
- Distant lymph node(s), NOS
    - Hepatoduodenal (along the proper hepatic artery, including portal)
    - Intra-abdominal
    - Mesenteric (inferior, superior, NOS)
    - Middle colic
    - Pancreaticoduodenal (all subsites EXCEPT greater curvature)
    - Para-aortic
    - Porta hepatic (portal) (hilar) (in hilus of liver)
    - Retropancreatic
    - Retroperitoneal
- Distant metastasis, NOS
    - Carcinomatosis
    - Krukenberg tumor (metastasis to ovary(ies))
    - Malignant (positive) peritoneal cytology
    - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

SMALL INTESTINE

8000-8700, 8720-8790, 9700-9701

C170-C173, C178-C179
C170 Duodenum
C171 Jejunum
C172 Ileum (excluding ileocecal valve C18.0)
C173 Meckel diverticulum (site of neoplasm)
C178 Overlapping lesion of small intestine
C179 Small intestine, NOS

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 18 *Small Intestine*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.
- Chapter 30 *Neuroendocrine Tumors of the Duodenum and Ampulla of Vater*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.
- Chapter 31 *Neuroendocrine Tumors of the Jejunum and Ileum*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

- (Adeno)carcinoma, noninvasive, in a polyp or adenoma

1 Localized only (localized, NOS)

- Confined to small intestine, NOS
- Extension through wall, NOS
- Intraluminal spread to other segments of small intestine or cecum
- Invasion of
    - Intramucosa, NOS
    - Lamina propria
    - Mucosa, NOS
    - Muscularis mucosae
    - Muscularis, NOS
    - Muscularis propria
    - Submucosa (superficial invasion)
- Polyp (head, stalk, NOS)
- Subserosal tissue/(sub)serosal fat invaded
- Transmural, NOS
- Wall, NOS

2 Regional by direct extension only

- All sites
    - Abdominal wall (via serosa)
    - Adjacent organ(s)/structure(s)
    - Adjacent tissue(s) (connective), NOS
    - Fat, NOS
    - Mesenteric fat
    - Mesentery (adjacent loops of bowel)
    - Mesothelium
    - Nonperitonealized perimuscular tissue
    - Other loops of small intestine
    - Other segments of small intestine (via serosa)
    - Retroperitoneum
    - Serosa
    - Tunica serosa
    - Visceral peritoneum
- Duodenum (C170)
    - Ampulla of Vater
    - Blood vessel(s), major
        - Aorta
        - Gastroduodenal artery
        - Portal vein
        - Renal vein
        - Superior mesenteric artery or vein
        - Vena cava
    - Diaphragm

    - Extrahepatic bile duct(s)
    - Gallbladder
    - Hepatic flexure
    - Kidney (right or NOS)
    - Liver (quadrate lobe, right lobe or NOS)
    - Omentum
    - Pancreas (pancreatic duct)
    - Stomach
    - Transverse colon
    - Ureter, right
- Jejunum and Ileum (C171, C172)
    - Colon including appendix

3 Regional lymph node(s) involved only

- All sites
    - Regional lymph node(s), NOS
        - Lymph node(s), NOS
- Duodenum (C170)
    - Duodenal
    - Gastroduodenal
    - Hepatic
    - Pancreaticoduodenal (inferior)
    - Pericholodochal (common bile duct)
    - Pyloric (infrapyloric, subpyloric, NOS)
    - Retropancreatic
    - Superior mesenteric
- Jejunum and ileum (C171, C172)
    - Cecal (anterior, posterior, retrocecal) (terminal ileum only)
    - Ileocecal (ileocolic) (terminal ileum only)
    - Mesenteric, NOS
    - Superior mesenteric

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
    - Jejunum and Ileum (C171, C172)
        - Bladder
        - Fallopian tube(s)
        - Ovary(ies)
        - Uterus
- Distant lymph node(s), NOS
    - Celiac
    - Pericholedochal (jejunum and ileum only)
- Distant metastasis, NOS
    - Carcinomatosis
    - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

APPENDIX

8000-8700, 8720-8790, 9700-9701

C181
C181 Appendix

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 19 *Appendix - Carcinoma*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.
- Chapter 32 *Neuroendocrine Tumors of the Appendix*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

- Acellular mucin or mucinous epithelium may invade into the muscularis propria
- (Adeno) carcinoma, noninvasive, in a polyp or adenoma
- Low-grade appendiceal mucinous neoplasm confined by the muscularis propria (LAMN)

1 Localized only (localized, NOS)

- Confined to appendix, NOS
- Confined to polyp, NOS
- Extension through wall, NOS
- Invasion through muscularis propria
- Lamina propria
- Mucosa (intramucosal, NOS)
- Muscularis mucosae

- Non-peritonealized pericolic tissues invaded
- Perimuscular tissue invaded
- Submucosa
- Subserosa
- Transmural, NOS
- Wall, NOS

2 Regional by direct extension only

- Abdominal wall
- Adherent to other organs or structures
- Adjacent tissue(s), NOS
- Connective tissue
- Fat, NOS
- Greater omentum
- Mesenteric fat
- Mesentery
- Mesoappendix
- Pericolic fat
- Retroperitoneum
- Serosa (mesothelium) (visceral peritoneum)
- Small intestine
- Tumor found in adhesion(s) if microscopic examination performed

3 Regional lymph node(s) involved only

- Tumor deposits (TD) in subserosa or mesentery WITHOUT regional lymph node metastases
- Cecal
    - Anterior (prececal)
    - Posterior (retrocecal)
    - Right colic
- Colic, NOS
- Epicolic (adjacent to bowel wall)
- Ileocolic
- Mesenteric, NOS
- Mesocolic, NOS
- Paracolic/pericolic
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
    - Adrenal (suprarenal) gland
    - Bladder
    - Diaphragm
    - Fallopian tube
    - Fistula to skin
    - Gallbladder
    - Intraperitoneal spread/peritoneal metastasis
    - Kidney
    - Liver
    - Other segment(s) of colon/rectum via serosa
    - Ovary
    - Ureter
    - Uterus
- Distant lymph node(s), NOS
    - Inferior mesenteric
    - Superior mesenteric
- Distant metastasis, NOS
    - Carcinomatosis
    - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

COLON AND RECTUM

8000-8700, 8720-8790, 9700-9701

C180, C182-C189, C199, C209
C180 Cecum
C182 Ascending colon
C183 Hepatic flexure of colon
C184 Transverse colon
C185 Splenic flexure of colon
C186 Descending colon
C187 Sigmoid colon
C188 Overlapping lesion of colon
C189 Colon, NOS
C199 Rectosigmoid junction
C209 Rectum, NOS

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 20 *Colon and Rectum*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.
- Chapter 33 *Neuroendocrine Tumors of the Colon and Rectum*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

Note 3: Code 0 (behavior code 2) includes cancer cells confined within the glandular basement membrane (intraepithelial), or described as in situ.

Note 4: For the following, AJCC 8th edition stages these as in situ tumors. SS2018 stages these as localized (behavior code 3)

- Intramucosal, NOS
- Lamina propria
- Mucosa, NOS
- Confined to, but not through muscularis mucosa

Note 5: Ignore intraluminal extension to adjacent segment(s) of colon/rectum or to the ileum from the cecum; code depth of invasion or extracolonic spread as indicated.

Note 6: Invasion into "pericolonic/pericolorectal tissue" can be either Localized or Regional, depending on the primary site. Some sites are entirely peritonealized; some sites are only partially peritonealized or have no peritoneum. Localized may not be used for sites that are entirely peritonealized (cecum, transverse colon, sigmoid colon, rectosigmoid colon, upper third of rectum).

- Localized
    - Invasion through muscularis propria or muscularis, NOS
    - Non-peritonealized pericolic/perirectal tissues invaded [Ascending Colon/Descending Colon/Hepatic Flexure/Splenic Flexure/Upper two thirds of rectum: Posterior surface; Lower third of rectum]
    - Subserosal tissue/(sub)serosal fat invaded
- Regional
    - Mesentery
    - Peritonealized pericolic/perirectal tissues invaded [Ascending Colon/Descending Colon/Hepatic Flexure/Splenic Flexure/Upper third of rectum: anterior and lateral surfaces; Cecum; Sigmoid Colon; Transverse Colon; Rectosigmoid; Rectum: middle third anterior surface]
    - Pericolic/Perirectal fat
- If the pathologist does not further describe the “pericolic/perirectal tissues” as either “non-peritonealized pericolic/perirectal tissues” vs “peritonealized pericolic/perirectal tissues” fat and the gross description does not describe the tumor relation to the serosa/peritoneal surface, and it cannot be determined whether the tumor arises in a peritonealized portion of the colon, code Localized.

Note 7: Tumor that is adherent to other organs or structures, macroscopically, is coded as regional (code 2) or distant (code 7). However, if no tumor is present in the adhesion, microscopically, the classification should be coded to localized (code 1) or regional (code 2).

Note 8: Tumors characterized by involvement of the serosal surface (visceral peritoneum) by direct extension or perforation in which the tumor cells are continuous with the serosal surface through inflammation are coded to regional (code 2).

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

1 Localized only (localized, NOS)

- Confined to colon, rectum, rectosigmoid, NOS
- Extension through wall, NOS
- Intraluminal extension to colon and/or anal canal/anus (rectum only)
- Invasion of
    - Intramucosal, NOS
    - Lamina propria
    - Mucosa, NOS
    - Muscularis mucosae
    - Muscularis, NOS
    - Muscularis propria
    - Submucosa (superficial invasion)
- Non-peritonealized pericolic/perirectal tissues invaded (see Regional for peritonealized pericolic/perirectal tissues invaded. See Note 6)
- Pericolic/perirectal tissues invaded, NOS (unknown whether non-peritonealized or peritonealized. See Note 6)
- Perimuscular tissue invaded
- Polyp (head, stalk, NOS)
- Subserosal tissue/(sub)serosal fat invaded
- Transmural, NOS
- Wall, NOS

2 Regional by direct extension only

- All sites
    - Abdominal wall
    - Adherent to other organs or structures clinically with no microscopic examination
    - Adjacent (connective) tissue(s), NOS
    - Fat, NOS
    - Mesentery (including mesenteric fat, mesocolon)
    - Mesothelium
    - Pericolic fat
    - Perirectal fat
    - Peritonealized pericolic/perirectal tissues invaded (see Localized for non-peritonealized pericolic/perirectal tissues invaded. See Note 6)
    - Retroperitoneum (excluding fat)
    - Serosa
    - Small intestine
    - Tumor found in adhesion(s) if microscopic examination performed
    - Tunica serosa

    - Visceral peritoneum
- Cecum (C180)
    - Greater omentum
- Ascending colon (C182)
    - Kidney, right
    - Liver, right lobe
    - Retroperitoneal fat
    - Ureter, right
- Transverse colon and flexures (C183, C184, C185)
    - Bile ducts
    - Gallbladder
    - Gastrocolic ligament
    - Greater omentum
    - Kidney
    - Liver
    - Pancreas
    - Spleen
    - Stomach
- Descending colon (C186)
    - Kidney, left
    - Pelvic wall
    - Retroperitoneal fat
    - Spleen
    - Ureter, left
- Sigmoid colon (C187)
    - Pelvic wall
- Rectosigmoid (C199)
    - Cul de sac (rectouterine pouch)
    - Pelvic wall
    - Small intestine
- Rectum (C209)
    - Anus
    - Bladder (males only)
    - Cul de sac (rectouterine pouch)
    - Ductus deferens
    - Pelvic wall
    - Prostate
    - Rectovaginal septum
    - Rectovesical fat (males only)
    - Seminal vesicle(s)
    - Skeletal muscles of pelvic floor
    - Vagina

3 Regional lymph node(s) involved only

- All sites
  - Colic, NOS
  - Epicolic (adjacent to bowel wall)
  - Mesenteric, NOS
  - Mesocolic, NOS
  - Paracolic
  - Pericolic
  - Tumor deposits (TD) in the subserosa, mesentery, mesorectal or nonperitonealized pericolic or perirectal tissues WITHOUT regional nodal metastasis
  - Regional lymph node(s), NOS
    - Lymph node(s), NOS
- Cecum (C180)
  - Cecal, NOS
    - Anterior cecal (prececal)
    - Posterior cecal (retrocecal)
  - Colic (right)
  - Ileocolic
  - Periappendiceal
- Ascending colon (C182)
  - Colic (middle-right branch, right)
  - Ileocolic
- Hepatic flexure (C183)
  - Colic (middle, right)
  - Ileocolic
- Transverse colon (C184)
  - Colic (middle)
- Splenic flexure (C185)
  - Colic (left, middle)
  - Mesenteric (inferior)
- Descending colon (C186)
  - Colic (left)
  - Mesenteric (inferior)
  - Sigmoid
- Sigmoid colon (C187)
  - Colic (left)
  - Mesenteric (inferior)
  - Rectal (superior) (hemorrhoidal)
  - Rectosigmoid
  - Sigmoid (sigmoidal) (sigmoid mesenteric)
  - Superior rectal (hemorrhoidal)
- Rectosigmoid (C199)
  - Hemorrhoidal (middle, superior)
  - Mesenteric (inferior)

    - Mesorectal
    - Pericolic
    - Perirectal
    - Rectal (middle, superior)
    - Sigmoid (mesenteric)
- Rectum (C209)
    - Hemorrhoidal (middle, superior)
    - Iliac (hypogastric, internal, obturator) (see code 7 for common, external, NOS)
    - Mesenteric (inferior)
    - Mesorectal
    - Perirectal
    - Rectal (inferior)
    - Sacral, NOS
        - Lateral sacral (laterosacral)
        - Middle sacral (promontorial) (Gerota's node)
        - Presacral
    - Sigmoidal (sigmoid mesenteric)

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
    - All sites
        - Adrenal (suprarenal) gland
        - Bladder
        - Diaphragm
        - Fallopian tube
        - Fistula to skin
        - Gallbladder
        - Other segment(s) of colon via serosa
        - Ovary(ies)
        - Uterus
    - Cecum (C180)
        - Kidney, right
        - Liver
        - Ureter, right
    - Transverse colon and flexures (C183-C185)
        - Ureter
    - Sigmoid colon (C187)
        - Cul de sac (rectouterine pouch)
        - Ureter

    - Rectosigmoid (C199)
        - Bladder
        - Colon via serosa
        - Fallopian tube
        - Ovary
        - Prostate
        - Skeletal muscles of pelvic floor
        - Ureter
        - Vagina
    - Rectum (C209)
        - Bladder (for females only)
        - Bone(s) of pelvis
        - Cervix
        - Perineum, perianal skin
        - Sacral plexus
        - Sacrum
        - Ureter
        - Urethra
        - Uterus
- Distant lymph node(s), NOS
    - Colon
        - Iliac (common, external, hypogastric, internal, obturator, NOS)
        - Inferior mesenteric (cecum, ascending colon, hepatic flexure, transverse colon)
        - Para-aortic
        - Retroperitoneal
        - Superior mesenteric
    - Rectosigmoid
        - Hemorrhoidal, inferior (rectosigmoid)
        - Iliac (common, external, hypogastric, internal, obturator, NOS)
        - Rectal, inferior
        - Superior mesenteric
    - Rectum
        - Colic (left) (rectum)
        - Iliac (common, external, NOS) (see code 3 for hypogastric, internal, obturator)
        - Superior mesenteric
- Distant metastasis, NOS
    - Carcinomatosis
    - Peritoneal surface metastasis (peritoneum)
    - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

ANUS

8000-8700, 8720-8790, 9700-9701

C210-C212, C218
C210 Anus, NOS (excluding skin of anus and perianal skin C445)
C211 Anal canal
C212 Cloacogenic zone
C218 Overlapping lesion of rectum, anus and anal canal

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 21 *Anus*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

- Anal intraepithelial neoplasia III
- Bowen disease

1 Localized only (localized, NOS)

- Confined to anus, NOS
- Incidental finding of malignancy in hemorrhoid, NOS
- Intramucosa
- Lamina propria
- Mucosa, NOS
- Muscularis mucosae
- Muscularis propria (internal sphincter)
- Submucosa (superficial invasion)

2 Regional by direct extension only

- Ischiorectal fat/tissue
- Perianal skin
- Perineum
- Perirectal skin
- Rectal mucosa or submucosa
- Rectal wall
- Skeletal muscle(s)
    - Anal sphincter (external)
    - Levator ani
- Subcutaneous perianal tissue
- Vulva

3 Regional lymph node(s) involved only

- Anorectal
- External iliac
- Inferior hemorrhoidal
- Inguinal (femoral) (deep, superficial)
- Internal iliac (hypogastric)
- Lateral sacral (laterosacral)
- Mesorectal
- Obturator
- Perirectal
- Superior rectal (hemorrhoidal) (femoral)
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
    - Bladder
    - Broad ligament(s)
    - Cervix uteri
    - Corpus uteri
    - Pelvic peritoneum
    - Prostate
    - Urethra

    - Vagina
- Distant lymph node(s), NOS
- Distant metastasis, NOS
    - Carcinomatosis
    - Distant metastases WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

LIVER

8000-8700, 8720-8790, 9700-9701

C220
C220 Liver

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 22 *Liver*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

SUMMARY STAGE

0 In situ: noninvasive, intraepithelial

1 Localized only (localized, NOS)

- Confined to liver, NOS
- Single tumor (one lobe)
    - WITHOUT or UNKNOWN vascular invasion

2 Regional by direct extension only

- Diaphragm
- Extrahepatic bile duct(s)
- Extrahepatic blood vessel(s)
    - Hepatic artery
    - Portal vein
    - Vena cava
- Gallbladder
- Lesser omentum

- Ligament(s)
    - Coronary
    - Falciform
    - Hepatoduodenal
    - Hepatogastric
    - Round (of liver)
    - Triangular
- Peritoneum, NOS
    - Parietal
    - Visceral
- Major vascular invasion, NOS
- More than one lobe involved by contiguous growth (single lesion)
    - WITH or WITHOUT vascular invasion
- Multiple (satellite) nodules/tumors (one lobe)
    - WITHOUT or UNKNOWN vascular invasion
- Multiple (satellite) nodules/ tumors in more than one lobe of liver or on surface of parenchyma
    - WITH or WITHOUT vascular invasion
- Single lesion (one lobe) WITH vascular invasion

3 Regional lymph node(s) involved only

- Caval
- Hepatic, NOS
    - Hepatic artery
    - Hepatic pedicle
    - Inferior vena cava
    - Porta hepatis (portal) (hilar) [in hilus of liver]Hepatoduodenal ligament
- Periportal
- Portal vein
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
  - Pancreas
  - Pleura
  - Stomach
- Distant lymph node(s), NOS
  - Aortic (para-aortic, periaortic)
  - Cardiac
  - Coronary artery
  - Diaphragmatic, NOS
  - Inferior phrenic nodes
  - Lateral (aortic) (lumbar)
  - Pericardial (pericardiac)
  - Peripancreatic (near head of pancreas only)
  - Posterior mediastinal (tracheoesophageal) including juxtaphrenic nodes
  - Renal artery
  - Retroperitoneal, NOS
- Distant metastasis, NOS
  - Carcinomatosis
  - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

INTRAHEPATIC BILE DUCTS

8000-8700, 8720-8790, 8980, 9700-9701

C221
C221 Intrahepatic bile duct

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 23 *Intrahepatic Bile Ducts*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-8975, 8981-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

Note 3: Intrahepatic vascular invasion (code 1) includes the following

- Major hepatic vessel invasion
  - First and second-order branches of the portal veins or hepatic arteries
- Hepatic veins (right, middle, or left)
- Microscopic invasion of smaller intraparenchymal vascular structures (identified on histopathological examination)

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

- Biliary intraepithelial neoplasia grade 3 (BiIIN-3)
- Intraductal tumor

1 Localized only (localized, NOS)

- Confined to intrahepatic bile duct, NOS
- Solitary or Multiple tumors WITH or WITHOUT intrahepatic vascular invasion

2 Regional by direct extension only

- Abdominal wall
- Adjacent (connective) tissue, NOS
- Colon
- Common bile duct
- Diaphragm
- Duodenum
- Extrahepatic bile ducts PLUS satellite nodules in more than one lobe
- Extrahepatic structure(s), NOS
    - Retrohepatic vena cava
    - Vena cava
- Hepatic artery (proper)
- Gallbladder
- Lesser omentum ligament(s)
    - Coronary
    - Falciform
    - Hepatoduodenal
    - Hepatogastric
    - Round (of liver)
    - Triangular
- Peritoneum, NOS
    - Parietal
    - Visceral
- Multiple tumors with major vascular invasion
- Retrohepatic vena cava

3 Regional lymph node(s) involved only

- Common bile duct
- Cystic duct
- Hepatic, NOS
- Hepatic artery
- Hepatic pedicle
- Hepatoduodenal ligament
- Hilar
- Portal vein
    - Periportal
    - Porta hepatis
    - Portal
- Portocaval (portacaval)
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
    - Multiple (satellite) nodules on surface of liver parenchyma
    - Pancreas
    - Pleura
    - Stomach
- Distant lymph node(s), NOS
    - Aortic (para-aortic, periaortic)
    - Aortocaval
    - Cardiac
    - Caval (inferior vena cava)
    - Celiac
    - Diaphragmatic, NOS
    - Gastrohepatic
    - Inferior phrenic
    - Lateral (aortic) (lumbar)
    - Pancreaticoduodenal
    - Pericardial (pericardiac)
    - Periduodenal
    - Peripancreatic
    - Posterior mediastinal (tracheoesophageal) including juxtaphrenic nodes
    - Renal artery
    - Retroperitoneal, NOS
- Distant metastasis, NOS
    - Carcinomatosis
    - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

GALLBLADDER

8000-8700, 8720-8790, 9700-9701

C239
C239 Gallbladder

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 24 *Gallbladder*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

SUMMARY STAGE

0 In situ: noninvasive, intraepithelial

1 Localized only (localized, NOS)

- Confined to gallbladder, NOS
- Lamina propria
- Mucosa, NOS
- Muscularis propria (layer)
- Submucosa (superficial invasion)

2 Regional by direct extension only

- Ampulla of Vater
- Branch(es) of hepatic artery (right or left)
- Branch(es) of portal vein (right or left)
- Duodenum
- Extrahepatic bile duct(s)
- Liver, less than or equal to 2 cm OR distance not stated
- Omentum (greater, lesser, NOS)
- Pancreas
- Perimuscular connective tissue (peritoneal and hepatic side)
- Serosa (visceral peritoneum)
- Small intestine, NOS

3 Regional lymph node(s) involved only

- Celiac artery
- Cystic duct (Calot's node)
- Hepatic artery
- Node of foramen of Winslow (omental) (epiploic)
- Pancreaticoduodenal
- Pericholedochal (common bile duct)
- Periduodenal
- Peripancreatic (near head of pancreas only)
- Porta hepatis (portal) (periportal) (hilar) (in hilus of liver)
- Portal vein
- Retroperitoneal, NOS
- Superior mesenteric
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
  - Abdominal wall
  - Colon
  - Cystic artery/vein
  - Diaphragm
  - Hepatic artery (common, NOS)
  - Liver, greater than 2 cm
  - Portal vein (main, NOS)
  - Stomach
  - Two or more extrahepatic organs or structures
- Distant lymph node(s), NOS
  - Para-aortic
  - Pericaval
  - Peripancreatic (along body and tail of pancreas only)
- Distant metastasis, NOS
  - Carcinomatosis
  - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

EXTRAHEPATIC BILE DUCTS

8000-8700, 8720-8790, 9700-9701

C240
C240 Cystic duct
C240 Distal bile ducts
C240 Perihilar bile ducts

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 24 *Gallbladder*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.
- Chapter 25 *Perihilar Bile Ducts*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.
- Chapter 26 *Distal Bile Duct*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

High-grade biliary intraepithelial neoplasia (BilIn-3)

1 Localized only (localized, NOS)

- Confined to
  - Cystic duct, NOS
  - Distal bile duct(s), NOS
  - Extrahepatic bile duct(s), NOS
  - Perihilar bile duct(s), NOS
- Lamina propria
- Mucosa, NOS
- Muscle layer of fibrous tissue (bile ducts perihilar only)
- Muscularis propria
- Subepithelial connective tissue (tunica mucosa) (bile ducts perihilar only)
- Submucosa (superficial invasion)

2 Regional by direct extension only

- All sites
  - Adipose tissue
  - Adjacent (connective) tissue, NOS
  - Colon
  - Duodenum
  - Gallbladder
  - Hepatic artery (common, NOS)
  - Liver
  - Main portal vein or its branches bilaterally
  - Omentum (greater, lesser, NOS)
  - Pancreas
  - Periductal/fibromuscular connective tissue
  - Portal vein, NOS
  - Stomach
- Cystic duct
  - Ampulla of Vater
  - Beyond wall of cystic duct
  - Perimuscular connective tissue
  - Perimuscular tissue, NOS
  - Serosa (visceral peritoneum)
  - Small intestine
  - Unilateral branches of hepatic artery (right or left)
  - Unilateral branches of portal vein (right or left)
- Distal bile duct(s)
  - Adipose tissue
  - Adjacent hepatic parenchyma
  - Beyond wall of bile duct
  - Porta hepatis
  - Unilateral branches of hepatic artery (right or left)

    - Unilateral branches of portal vein (right or left)
- Perihilar bile duct(s)
    - Beyond wall of bile duct
    - Second-order biliary radicals bilaterally
        - Unilateral second-order biliary radicals
        - WITH contralateral portal vein or hepatic artery involvement
    - Unilateral branches of hepatic artery (right or left)
    - Unilateral branches of portal vein (right or left)

3 Regional lymph node(s) involved only

- Adipose tissue
- Adjacent (connective) tissue, NOS
- Choledochal (bile ducts perihilar only)
- Cystic duct (node of the neck of the gallbladder) (Calot's node)
- Hepatic/hepatic artery nodes (common, NOS)
- Hilar (porta hepatic) (portal) (in hilus of liver)
- Node of the foramen of Winslow (omental) (epiploic)
- Pancreaticoduodenal (anterior, posterior) (bile ducts distal only)
- Pancreaticoduodenal, NOS (cystic duct only)
- Pericholedochal (node along common bile duct)
- Periduodenal
- Peripancreatic (near head of pancreas only)
- Periportal
- Portal vein
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
    - Abdominal wall
    - Celiac axis (bile ducts distal only)
    - Superior mesenteric artery (bile ducts distal only)
- Distant lymph node(s), NOS
    - Celiac (axis) artery
    - Para-aortic
    - Periaortic (cystic duct only)
    - Pericaval

    - Peripancreatic (along body and tail of pancreas only)
    - Superior mesenteric artery
    - Superior mesenteric vein
- Distant metastasis, NOS
    - Carcinomatosis
    - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

AMPULLA OF VATER

8000-8700, 8720-8790, 9700-9701

C241
C241 Ampulla of Vater

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 27 *Ampulla of Vater*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.
- Chapter 30 *Neuroendocrine Tumors of the Duodenum and Ampulla of Vater*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

1 Localized only (localized, NOS)

- Ampulla of Vater
- Confined to ampulla, NOS
- Duodenal submucosa
- Perisphincteric invasion (invasion beyond sphincter of Oddi)
- Sphincter of Oddi

2 Regional by direct extension only

- Blood vessel(s) (major)
    - Common hepatic artery
    - Portal vein
    - Superior mesenteric artery
- Celiac axis
- Common bile duct
- Duodenum, NOS
- Extrahepatic bile duct(s)
- Gallbladder
- Hepatic flexure of colon
- Lesser omentum
- Liver including porta hepatis
- Muscularis propria of the duodenum (duodenal wall)
- Pancreas
- Stomach (distal, proximal, NOS)
- Transverse colon

3 Regional lymph node(s) involved only

- Anterior to ampulla of Vater
- Inferior to ampulla of Vater
- Posterior to ampulla of Vater
- Superior to ampulla of Vater
- Celiac
- Hepatic
- Hepatic artery
- Lateral aortic (lumbar)
- Node of foramen of the Winslow (epiploic) (omental)
- Pancreaticoduodenal
- Peripancreatic (excluding nodes at tail of pancreas)
- Periportal (portal vein)
- Proximal mesenteric
- Pyloric (infrapyloric, subpyloric)
- Retroperitoneal
- Superior mesenteric
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant sites (including further contiguous extension)
  - Peripancreatic soft tissue
- Distant lymph node(s), NOS
  - At tail of pancreas
  - Para-aortic
  - Splenic
- Distant metastasis, NOS
  - Carcinomatosis
  - Distant mets WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

BILIARY OTHER

8000-8700, 8720-8790, 9700-9701

C248, C249
C248 Overlapping lesion of biliary tract (neoplasms involving both intrahepatic and extrahepatic bile ducts)
C249 Biliary tract, NOS

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

Note 3: Summary Stage is the only applicable staging system for this site/histology/schema.

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

1 Localized only (localized, NOS)

- Confined to bile duct, NOS
- Lamina propria
- Mucosa, NOS
- Muscularis propria
- Submucosa (superficial invasion)

2 Regional by direct extension only

- Ampulla of Vater
- Beyond wall of bile duct
- Duodenum
- Gallbladder
    - Unilateral branches of the right or left hepatic artery OR portal vein
- Invasion of/through serosa

- Liver, less than or equal to 2 cm or UNKNOWN
- Omentum (greater or lesser)
- Pancreas
- Perimuscular connective tissue
- Small intestine

3 Regional lymph node(s) involved only

- Celiac
- Cystic duct (node of Calot)
- Node of foramen of Winslow (epiploic) (omental)
- Pancreaticoduodenal
- Pericholedochal (common bile duct)
- Periduodenal
- Peripancreatic (near head of pancreas only)
- Porta hepatis (portal) (periportal) (hilar)
- Superior mesenteric
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
    - Abdominal wall
    - Colon
    - Common hepatic artery
    - Cystic artery/vein
    - Hepatic artery, NOS
    - Liver greater than 2 cm
    - Portal vein or its branches bilaterally
    - Portal vein, NOS
    - Stomach
- Distant lymph node(s), NOS
    - Para-aortic
    - Peripancreatic (along body and tail of pancreas only)
- Distant metastasis, NOS
    - Carcinomatosis
    - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis

PANCREAS

8000-8700, 8720-8790, 8971, 9700-9701

C250-C254, C257-C259
C250 Head of pancreas
C251 Body of pancreas
C252 Tail of pancreas
C253 Pancreatic duct
C254 Islets of Langerhans
C257 Other specified parts of pancreas
C258 Overlapping lesion of pancreas
C259 Pancreas, NOS

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx
- Chapter 28 *Exocrine Pancreas*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.
- Chapter 34 *Neuroendocrine Tumors of the Pancreas*, in the AJCC Cancer Staging Manual, Eighth Edition (2017) published by Springer International Publishing. Used with permission of the American College of Surgeons, Chicago, Illinois.

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-8970, 8972-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

Note 3: For tumors of the islet cells, determine which subsite of the pancreas is involved and use that primary site code. If the subsite cannot be determined, use the general code for Islets of Langerhans, C254.

Note 4: The terms "abutment," "abut(s)," "encases," or "encasement" of the major blood vessels can be interpreted as involvement of these structures.

SUMMARY STAGE

0 In situ, intraepithelial, noninvasive

- High-grade pancreatic intraepithelial neoplasia (PanIn-3)
- Intraductal papillary mucinous neoplasm with high grade dysplasia
- Intraductal tubulopapillary neoplasm with high grade neoplasm
- Mucinous cystic neoplasm with high-grade dysplasia

1 Localized only (localized, NOS)

- Confined to pancreas

2 Regional by direct extension only

- All sites
    - Ampulla of Vater
    - Blood vessel(s) (major)
        - Aortic artery
        - Celiac artery
        - Common hepatic artery
        - Further contiguous extension to other major arteries
        - Portal vein
        - Superior mesenteric artery/vein
    - Duodenum
    - Extrahepatic bile duct(s)
    - Fixation to adjacent structure(s), NOS
    - Peripancreatic tissue, NOS
    - Stomach
- Pancreas Head (C250)
    - Adjacent stomach
    - Blood vessel(s) (major)
        - Gastroduodenal artery
    - Transverse colon, including hepatic flexure
- Pancreas Body Tail (C251, C252)
    - Spleen
    - Splenic artery/vein
    - Splenic flexure

3 Regional lymph node(s) involved only

- All sites
  - Anterior, NOS
  - Common hepatic artery
  - Hepatic, NOS
  - Inferior to head and body of pancreas
  - Lateral aortic (lumbar)
  - Pancreaticoduodenal (anterior, posterior)
  - Peripancreatic, NOS
  - Posterior, NOS
  - Proximal mesentery (anterior, posterior)
  - Retroperitoneal
  - Superior mesenteric
  - Superior to head and body of pancreas
  - Regional lymph node(s), NOS
    - Lymph node(s), NOS
- Pancreas Head (C250)
  - Common bile duct (pericholedochal)
  - Lateral wall (right)
  - Portal vein
  - Pyloric (infrapyloric, retropyloric, subpyloric, suprapyloric)
  - Pyloric, NOS
- Pancreas Body Tail (C251, C252)
  - Gastroepiploic (gastro-omental, left)
  - Pancreaticosplenic (pancreaticolineal)
  - Splenic (artery, hilum, lineal)
  - Suprapancreatic
- Pancreas Other (C253-C254, C257-C259)
  - Celiac
  - Common bile duct (pericholedochal)
  - Gastroepiploic (gastro-omental)
  - Lateral wall right
  - Pancreaticosplenic (pancreaticolienal)
  - Portal vein
  - Pyloric (infrapyloric, retropyloric, subpyloric, suprapyloric, NOS)
  - Splenic (artery, hilum, lineal)
  - Suprapancreatic

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension to other organs)
  - All sites
    - Adrenal gland/suprarenal gland
    - Gallbladder
    - Kidney
    - Liver, including porta hepatis
    - Mesenteric fat
    - Mesentery
    - Mesocolon
    - Peritoneum
    - Retroperitoneum
    - Small intestine (excluding duodenum)
    - Ureter
  - Pancreas Head (C250)
    - Colon (other than transverse colon including hepatic flexure)
    - Omentum
    - Spleen
  - Pancreas Body Tail (C251, C252)
    - Colon (other than splenic flexure)
    - Diaphragm
- Distant lymph node(s), NOS
  - Pancreas Head (C250)
    - Celiac
    - Gastroepiploic (gastro-omental), left
    - Pancreaticosplenic (pancreaticolienal)
    - Splenic (artery, hilum, lineal)
    - Suprapancreatic
  - Pancreas Body Tail (C251, C252)
    - Celiac
    - Common bile duct (pericholedochal)
    - Lateral wall (right)
    - Porta hepatic
    - Portal vein
    - Pyloric (infrapyloric, retropyloric, subpyloric, suprapyloric, NOS)
- Distant metastasis, NOS
  - Carcinomatosis
  - Distant metastasis except distant lymph node(s)
  - Seeding of peritoneum, even if limited to the lesser sac region
  - Positive peritoneal cytology

9 Unknown if extension or metastasis

DIGESTIVE OTHER

8000-8700, 8720-8790, 9700-9701

C260, C268, C269
C260 Intestinal tract, NOS
C268 Overlapping lesion of digestive system
C269 Gastrointestinal tract, NOS

Note 1: The following sources were used in the development of this chapter

- SEER Extent of Disease 1988: Codes and Coding Instructions (3rd Edition, 1998) (https://seer.cancer.gov/archive/manuals/EOD10Dig.3rd.pdf)
- SEER Summary Staging Manual-2000: Codes and Coding Instructions (https://seer.cancer.gov/tools/ssm/ssm2000/)
- Collaborative Stage Data Collection System, version 02.05: https://cancerstaging.org/cstage/Pages/default.aspx

Note 2: See the following chapters for the listed histologies

- 8710-8714, 8800-8934, 8940-9138, 9141-9582: *Soft Tissue*
- 8935-8936: *GIST*
- 9140: *Kaposi Sarcoma*

Note 3: Summary Stage is the only applicable staging system for this site/histology/schema.

SUMMARY STAGE

0 In situ: noninvasive, intraepithelial

1 Localized only (localized, NOS)

- Invasion of submucosa

2 Regional by direct extension only

- Adjacent connective tissue(s)
- Adjacent organ(s)/structure(s)
- Regional extension, NOS

3 Regional lymph node(s) involved only

- Intra-abdominal
- Paracaval
- Pelvic
- Subdiaphragmatic
- Regional lymph node(s), NOS
    - Lymph node(s), NOS

4 Regional by BOTH direct extension AND regional lymph node(s) involved

- Codes (2) + (3)

7 Distant site(s)/lymph node(s) involved

- Distant site(s) (including further contiguous extension)
- Distant lymph node(s), NOS
- Distant metastasis, NOS
    - Carcinomatosis
    - Distant metastasis WITH or WITHOUT distant lymph node(s)

9 Unknown if extension or metastasis