

**ORAL CAVITY**

<b>C00.0 - C00.9</b>	<b>Lip</b>
<b>C01.9</b>	<b>Base of Tongue</b>
<b>C02.0 - C02.9</b>	<b>Other Parts of Tongue</b>
<b>C03.0 - C03.9</b>	<b>Gum</b>
<b>C04.0 - C04.9</b>	<b>Floor of Mouth</b>
<b>C05.0 - C05.9</b>	<b>Palate</b>
<b>C06.0 - C06.9</b>	<b>Other Parts of Mouth</b>

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

## ORAL CAVITY

### **SURGERY OF PRIMARY SITE**

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**No specimen sent to pathology from this surgical event.**

**Procedures in codes 20-27 include, but are not limited to:**

Shave

Wedge resection

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

**Procedures in code 30 include, but are not limited to:**

Hemiglossectomy

Partial glossectomy

**30** Wide excision, NOS

**Procedures in codes 40-43 include, but are not limited to:**

Radical glossectomy

**40** Radical excision of tumor, NOS

**41** Radical excision of tumor ONLY

**42** Combination of **41** WITH en bloc mandibulectomy (marginal, segmental, hemi-, or total)

**43** Combination of **41** WITH en bloc maxillectomy (partial, subtotal, total)

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

## **ORAL CAVITY**

### **SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only

## ORAL CAVITY

### SCOPE OF REGIONAL LYMPH NODE SURGERY

**Regional cervical lymph nodes are:**

Caudal jugular (deep cervical)  
 Caudal jugular (deep cervical)  
 Dorsal cervical (superficial cervical)  
 Medial jugular (deep cervical)  
 Occipital  
 Paratracheal (anterior cervical)  
 Prelaryngeal (anterior cervical)  
 Retroauricular (mastoid, posterior auricular)  
 Submandibular (submaxillary)  
 Submental  
 Supraclavicular

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 2 Neck dissection, NOS
  - 3 Selective, limited; nodal sampling; “berry picking”
  - 4 Modified / modified radical
  - 5 Radical
- 9 Unknown; not stated; death certificate only

**Terminology of neck dissection (Robbins et al. 1991):**

A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle.

In a modified radical neck dissection, the same lymph nodes are removed as in a radical neck dissection; however, one or more non-lymphatic structures are preserved.

A selective neck dissection is a neck dissection with preservation of one or more lymph node groups routinely removed in radical neck dissection.

**ORAL CAVITY****NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99 Unknown; not stated; death certificate only

**SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0 None; no surgery to other regional or distant sites
- 1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2 Other regional site(s)
    - 3 Mandibulectomy (marginal, segmental, hemi-, or total)
    - 4 Maxillectomy (partial, subtotal, or total)

Code a mandibulectomy or a maxillectomy in this field only if the procedure is NOT a part of an en bloc resection of the primary tumor. (An en bloc resection is the removal of organs in one piece at one time.) If the mandibulectomy or maxillectomy ARE a part of an en bloc resection of the primary tumor, code under "Surgery of Primary Site."

- 5 Distant lymph node(s)
- 6 Distant site(s)
- 7 Combination of 6 WITH 2, 3, 4, or 5
- 9 Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0 No reconstruction / restoration
- 1 Flaps, grafts, or any type of "plasty," NOS
  - 2 WITHOUT implant / prosthesis
  - 3 WITH implant / prosthesis
- 8 Reconstruction / restoration recommended, unknown if performed
- 9 Unknown; not stated; death certificate only

**PAROTID AND OTHER UNSPECIFIED GLANDS**

**C07.9 Parotid Gland**  
**C08.0 - C08.9 Major Salivary Glands**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 4** Open
- 9** Death certificate only

## PAROTID AND OTHER UNSPECIFIED GLANDS

### SURGERY OF PRIMARY SITE

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

**30** Less than total parotidectomy, NOS

**31** Facial nerve spared

**32** Facial nerve sacrificed

**33** Superficial lobe **ONLY**

**34** Facial nerve spared

**35** Facial nerve sacrificed

**36** Deep lobe (**WITH or WITHOUT superficial lobe**)

**37** Facial nerve spared

**38** Facial nerve sacrificed

**40** Total parotidectomy, NOS

**41** Facial nerve spared

**42** Facial nerve sacrificed

**50** Radical parotidectomy, NOS

**51** **WITHOUT** removal of temporal bone

**52** **WITH** removal of temporal bone

**80** Parotidectomy, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

## **PAROTID AND OTHER UNSPECIFIED GLANDS**

### **SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only



## PAROTID AND OTHER UNSPECIFIED GLANDS

### SCOPE OF REGIONAL LYMPH NODE SURGERY

#### **Regional cervical lymph nodes are:**

Buccal (facial)  
 Caudal jugular (deep cervical)  
 Cranial jugular (deep cervical)  
 Dorsal cervical (superficial cervical)  
 Medial jugular (deep cervical)  
 Occipital  
 Paratracheal (anterior cervical)  
 Parotid  
 Prelaryngeal (anterior cervical)  
 Retroauricular (mastoid, posterior auricular)  
 Retropharyngeal  
 Submandibular (submaxillary)  
 Submental  
 Supraclavicular

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 2 Neck dissection, NOS
  - 3 Selective, limited; nodal sampling; “berry picking”
  - 4 Modified / modified radical
  - 5 Radical
- 9 Unknown; not stated; death certificate only

#### **Terminology of neck dissection** (Robbins et al. 1991):

A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle.

In a modified radical neck dissection, the same lymph nodes are removed as in a radical neck dissection; however, one or more non-lymphatic structures are preserved.

A selective neck dissection is a neck dissection with preservation of one or more lymph node groups routinely removed in radical neck dissection.

## **PAROTID AND OTHER UNSPECIFIED GLANDS**

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional sites
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Flaps, grafts, or any type of "plasty," NOS
  - 2** WITHOUT implant / prosthesis
  - 3** WITH implant / prosthesis
- 8** Reconstruction / restoration recommended, unknown if performed
- 9** Unknown; not stated; death certificate only

**PHARYNX**

<b>C09.0 - C09.9</b>	<b>Tonsil</b>
<b>C10.0 - C10.9</b>	<b>Oropharynx</b>
<b>C11.0 - C11.9</b>	<b>Nasopharynx</b>
<b>C12.9</b>	<b>Pyriiform Sinus</b>
<b>C13.0 - C13.9</b>	<b>Hypopharynx</b>
<b>C14.0</b>	<b>Pharynx</b>

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
  
- 1** Endoscopy, NOS
  - 2** Not image guided
  - 3** Image guided
  
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
  
- 9** Unknown; not stated; death certificate only

## **PHARYNX**

### **SURGERY OF PRIMARY SITE**

- 00** None; no cancer-directed surgery of primary site
  
- 10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)
  - 11** Photodynamic therapy (PDT)
  - 12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
  - 13** Cryosurgery
  - 14** Laser
  - 15** Stripping

**No specimen sent to pathology from this surgical event.**

- 20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)
  - 21** Photodynamic therapy (PDT)
  - 22** Electrocautery
  - 23** Cryosurgery
  - 24** Laser ablation
  - 25** Laser excision
  - 26** Polypectomy
  - 27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

- 30** Pharyngectomy, NOS
  - 31** Limited/partial pharyngectomy
  - 32** Total pharyngectomy
  
- 40** Pharyngectomy WITH mandibulectomy (marginal, segmental, hemi-, and/or laryngectomy), NOS
  - 41** WITH laryngectomy (laryngopharyngectomy)
  - 42** WITH mandibulectomy
  - 43** WITH both **41** and **42**
  
- 50** Radical pharyngectomy (includes total mandibular resection), NOS
  - 51** WITHOUT laryngectomy
  - 52** WITH laryngectomy
  
- 90** Surgery, NOS
  
- 99** Unknown if cancer-directed surgery performed; death certificate only

### **SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
  
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
  
- 7** Margins not evaluable
  
- 8** No cancer-directed surgery of primary site
  
- 9** Unknown whether margins were involved or negative; death certificate only

## PHARYNX

### SCOPE OF REGIONAL LYMPH NODE SURGERY

#### **Regional cervical lymph nodes are:**

Buccal (facial)  
 Caudal jugular (deep cervical)  
 Cranial jugular (deep cervical)  
 Dorsal cervical (superficial cervical)  
 Medial jugular (deep cervical)  
 Occipital  
 Paratracheal (anterior cervical)  
 Parotid  
 Prelaryngeal (anterior cervical)  
 Retroauricular (mastoid, posterior auricular)  
 Retropharyngeal  
 Submandibular (submaxillary)  
 Submental  
 Supraclavicular

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 2 Neck dissection, NOS
  - 3 Selective, limited; nodal sampling; “berry picking”
  - 4 Modified / modified radical
  - 5 Radical
- 9 Unknown; not stated; death certificate only

#### **Terminology of neck dissection (Robbins et al. 1991):**

A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle.

In a modified radical neck dissection, the same lymph nodes are removed as in a radical neck dissection; however, one or more non-lymphatic structures are preserved.

A selective neck dissection is a neck dissection with preservation of one or more lymph node groups routinely removed in radical neck dissection.

## **PHARYNX**

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Laryngectomy ONLY
  - 3** Mandibulectomy ONLY (marginal, segmental, or hemi-)
  - 4** Combination of **2** and **3**
  - 5** Removal of other regional sites
  - 6** Combination of **5** with **2-4**
  - 7** Removal of other distant sites(s) or distant lymph node(s)
  - 8** Combination of **7** WITH any of **2-6**
- 9** Unknown; not stated; death certificate only

## **PHARYNX**

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

**Code only the following procedures:**

Myocutaneous flaps (pectoralis major, trapezius)

Reconstruction of mandible

Regional flaps

- 0** No reconstruction / restoration
- 1** Reconstruction / restoration, NOS
  - 2** WITHOUT implant / prosthesis
  - 3** WITH implant / prosthesis
- 8** Reconstruction / restoration recommended, unknown if performed
- 9** Unknown; not stated; death certificate only

## **ESOPHAGUS**

### **C15.0 - C15.9**

#### **SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS (procedures include esophagoscopy, mediastinoscopy, thoracoscopy)
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Trans-hiatal
  - 6** Thoracotomy (includes split sternum)
  - 7** Laparotomy
- 9** Unknown; not stated; death certificate only



## ESOPHAGUS

### **SURGERY OF PRIMARY SITE**

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

**30** Partial esophagectomy

**40** Total esophagectomy

**50** Partial esophagectomy WITH laryngectomy and/or gastrectomy, NOS

**51** WITH laryngectomy

**52** WITH gastrectomy, NOS

**53** Partial gastrectomy

**54** Total gastrectomy

**55** Combination of **51** WITH any of **52-54**

**60** Total esophagectomy, NOS WITH laryngectomy and/or gastrectomy, NOS

**61** WITH laryngectomy

**62** WITH gastrectomy, NOS

**63** Partial gastrectomy

**64** Total gastrectomy

**65** Combination of **61** WITH any of **62-64**

**70** Esophagectomy, NOS WITH pharyngectomy and laryngectomy

**80** Esophagectomy, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

## ESOPHAGUS

### SURGICAL MARGINS

- 0 All margins grossly and microscopically negative
- 1 Margins involved, NOS
  - 2 Microscopic involvement
  - 5 Macroscopic involvement
- 7 Margins not evaluable
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only

### SCOPE OF REGIONAL LYMPH NODE SURGERY

Regional lymph nodes are different for each anatomical subsite. The following list identifies nodes classified as regional for each subsite:

#### Cervical esophagus

Cervical, NOS  
 Internal jugular  
 Periesophageal  
 Scalene  
 Supraclavicular  
 Upper cervical

#### Intrathoracic esophagus (upper, middle, lower):

Carinal  
 Hilar (pulmonary roots)  
 Internal jugular  
 Mediastinal, NOS  
 Paracardial  
 Periesophageal  
 Perigastric  
 Peritracheal  
 Superior mediastinal  
 Tracheobronchial

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 9 Unknown; not stated; death certificate only

**Note: Celiac nodes are DISTANT for the intrathoracic esophagus. Code removal of celiac nodes in the data item “Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes.”**

## **ESOPHAGUS**

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional sites
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

## ESOPHAGUS

### RECONSTRUCTION / RESTORATION - FIRST COURSE

**Code only the following procedures:**

Endoluminal stents  
Endoprosthesis  
Esophageal stents  
Esophagogastric fundoplasty  
Esophagogastrostomy (cardioplasty)  
Esophagojejunostomy  
Esophagomyotomy  
Esophagoplasty (plastic repair or reconstruction)  
Esophagoplasty WITH / WITHOUT repair of a tracheoesophageal fistula  
Esophagostomy  
Gastropharyngostomy  
Interposition of remaining esophagus with stomach using large or small bowel  
Self expanding metal vynal  
Stent placement in conjunction with cancer-directed surgery

- 0** No reconstruction / restoration
- 1** Reconstruction / restoration, NOS
  - 2** WITHOUT implant / prosthesis
  - 3** WITH implant / prosthesis
- 8** Reconstruction / restoration recommended, unknown if performed
- 9** Unknown; not stated; death certificate only

**STOMACH**

**C16.0 - C16.0**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS (procedures include esophagoscopy, gastroscopy, duodenoscopy, jejunoscopy, laparoscopy)
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

## STOMACH

### SURGERY OF PRIMARY SITE

- 00** None; no cancer-directed surgery of primary site
- 10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)
- 11** Photodynamic therapy (PDT)
  - 12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
  - 13** Cryosurgery
  - 14** Laser

**No specimen sent to pathology from this surgical event.**

- 20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)
- 21** Photodynamic therapy (PDT)
  - 22** Electrocautery
  - 23** Cryosurgery
  - 24** Laser ablation
  - 25** Laser excision
  - 26** Polypectomy
  - 27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

Code **30**, partial gastrectomy, includes a sleeve resection of the stomach.

Billroth I: anastomosis to duodenum (duodenostomy)

Billroth II: anastomosis to jejunum (jejunostomy)

- 30** Gastrectomy, NOS (partial, subtotal, hemi-)
- 31** Antrectomy, lower (distal)
- Resection of less than 40% of stomach**
- 32** Lower (distal) gastrectomy (partial, subtotal, hemi-)
  - 33** Upper (proximal) gastrectomy (partial, subtotal, hemi-)

- 40** Near-total or total gastrectomy

**A total gastrectomy may follow a previous partial resection of the stomach.**

- 50** Gastrectomy, NOS, WITH removal of a portion of esophagus
- 51** Partial or subtotal gastrectomy
  - 52** Near total or total gastrectomy

- 60** Gastrectomy WITH en bloc resection of other organs, NOS
- 61** Partial or subtotal gastrectomy WITH en bloc resection
  - 62** Near total or total gastrectomy WITH en bloc resection
  - 63** Radical gastrectomy WITH en bloc resection

**An en bloc resection is the removal of organs in one piece at one time, and may include an omentectomy.**

- 80** Gastrectomy, NOS

- 90** Surgery, NOS

- 99** Unknown if cancer-directed surgery performed; death certificate only

## STOMACH

### SURGICAL MARGINS

- 0 All margins grossly and microscopically negative
- 1 Margins involved, NOS
  - 2 Microscopic involvement
  - 5 Macroscopic involvement
- 7 Margins not evaluable
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only

### SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are different for these areas:

#### Greater Curvature of Stomach

Gastrooduodenal  
 Gastroepiploic, left  
 Gastroepiploic, right or NOS  
 Greater omental  
 Greater curvature  
 Pancreaticoduodenal  
 (anteriorly along the first part of duodenum)  
 Pyloric, including subpyloric and infrapyloric

#### Pancreatic and Splenic Area

Pancreaticolienal  
 Peripancreatic  
 Splenic hilum

#### Lesser Curvature of Stomach

Cardioesophageal  
 Celiac  
 Common hepatic  
 Hepatoduodenal  
 Left gastric  
 Lesser omental  
 Lesser curvature  
 Paracardial; cardial  
 Perigastric, NOS

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 9 Unknown; not stated; death certificate only

**STOMACH****NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99 Unknown; not stated; death certificate only

**SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code** the incidental removal of gallbladder, bile ducts, appendix, or vagus nerve. [Incidental removal is when an organ is removed for a reason unrelated to the malignancy (e.g., gallbladder removed for obvious cholelithiasis).]

- 0 None; no surgery to other regional or distant sites
- 1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2 Removal of other regional sites, ONLY
  - 3 Removal of distant node(s)
  - 4 Removal of distant site
  - 5 Combination of 2 WITH 3 and/or 4
- 9 Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0 No reconstruction / restoration
- 1 Gastrostomy
  - 2 WITHOUT reservoir / pouch
  - 3 WITH reservoir / pouch (abdominal)
- 9 Unknown; not stated; death certificate only



**COLON**

**C18.0 - C18.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS (procedures include colonoscopy, laparoscopy, sigmoidoscopy)
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy (most likely laparoscopy)
- 9** Unknown; not stated; death certificate only

## COLON

### SURGERY OF PRIMARY SITE

**Note:** Code the removal / surgical ablation of single or multiple liver metastases under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

**Procedures coded 30-31 include, but are not limited to:**

Appendectomy (for an appendix primary only)

Enterocolectomy

Ileocolectomy

Partial colectomy, NOS

Partial resection of transverse colon and flexures

Segmental resection, e.g., cecectomy

Sigmoidectomy

**30** Partial colectomy, but less than hemicolectomy

**31** Partial colectomy WITH permanent colostomy (Hartmann's operation)

**Also code colostomy in the data item "Reconstruction / Restoration - First Course."**

**40** Hemicolectomy or greater (but less than total); Right or left colectomy

**A hemicolectomy is the removal of total right or left colon and a portion of transverse colon.**

**50** Total colectomy (removal of colon from cecum to the rectosigmoid or a portion of the rectum)

**60** Total proctocolectomy (commonly used for familial polyposis or polyposis coli)

## COLON

### SURGERY OF PRIMARY SITE (cont.)

**70** Colectomy or colectomy WITH an en bloc resection of other organs; pelvic exenteration

**Code 70** includes any colectomy (partial, hemicolectomy, or total) WITH an en bloc resection of any other organs. The other organs may be partially or totally removed. Procedures that may be a part of an en bloc resection include, but are not limited to: oophorectomy, partial proctectomy, rectal mucosectomy.

En bloc resection is the removal of organs in one piece at one time.

The creation of **ileal reservoir** which is a part of a pelvic exenteration **must also be coded** in the data item "Reconstruction / Restoration - First Course."

**80** Colectomy, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

### SURGICAL MARGINS

**0** All margins grossly and microscopically negative

**1** Margins involved, NOS

**2** Microscopic involvement

**5** Macroscopic involvement

**7** Margins not evaluable

**8** No cancer-directed surgery of primary site

**9** Unknown whether margins were involved or negative; death certificate only

**COLON****SCOPE OF REGIONAL LYMPH NODE SURGERY**

The pathology report often describes regional lymph nodes by their anatomic location: colic nodes; mesenteric nodes; peri-\epi-\para-\ colic. Regional lymph nodes differ for each anatomical subsite. The following list identifies the regional lymph nodes for each subsite of the colon:

Cecum and Appendix

Anterior cecal  
Ileocolic  
Posterior cecal  
Right colic

Ascending colon

Ileocolic  
Middle colic  
Right colic

Hepatic flexure

Middle colic  
Right colic

Transverse colon

Middle colic

Splenic flexure

Inferior mesenteric  
Middle colic  
Left colic

Descending colon

Inferior mesenteric  
Left colic  
Sigmoid

Sigmoid colon

Inferior mesenteric  
Sigmoid mesenteric  
Sigmoidal  
Superior rectal (hemorrhoidal)

**Superior mesenteric, external iliac and common iliac nodes are DISTANT lymph nodes. Code the removal of any of these nodes in the data item “Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes.”**

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 9 Unknown; not stated; death certificate only

**NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99 Unknown; not stated; death certificate only

## COLON

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code** the incidental removal of appendix, gallbladder, bile ducts, or spleen. [Incidental removal is when an organ is removed for a reason unrelated to the malignancy (e.g., gallbladder removed for obvious cholelithiasis).]

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Removal of other regional site(s), ONLY
  - 3** Removal / surgical ablation of single liver metastasis
  - 4** Removal / surgical ablation of multiple liver metastases
  - 5** Combination of codes **2** and **3** or **4**
  - 6** Removal of other distant site(s) or distant lymph node(s), ONLY
  - 7** Combination of code **6** WITH **3** or **5**
  - 8** Combination of code **6** WITH **4**
- 9** Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

**Do not code** anastomosis as reconstruction.

- 0** No reconstruction / restoration
- 1** Colostomy (permanent)
- 2** Ileostomy, NOS
  - 3** WITHOUT a reservoir or pouch
  - 4** WITH an abdominal reservoir or pouch
  - 5** WITH an anal reservoir or pouch; artificial sphincter
- 9** Unknown; not stated; death certificate only

## **RECTOSIGMOID**

### **C19.9**

#### **SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS (includes laparoscopic)
- 4** Open, NOS
  - 5** Transanal
  - 6** Posterior; coccygeal; trans-sacral; abdominosacral
  - 7** Low anterior (LAR)
  - 8** Abdominal perineal (AP)
- 9** Unknown; not stated; death certificate only

## RECTOSIGMOID

### SURGERY OF PRIMARY SITE

**Note:** Code removal / surgical ablation of single or multiple liver metastases under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser ablation

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

**Procedures coded 30 include, but are not limited to:**

Anterior resection

Hartmann's operation

Low anterior resection

Partial colectomy, NOS

Rectosigmoidectomy, NOS

Sigmoidectomy

**30** Wedge or segmental resection; partial proctosigmoidectomy, NOS

**Procedures coded 40 include, but are not limited to:**

Altemeier's operation

Duhamel's operation

Soave's submucosal resection

Swenson's operation

Turnbull's operation

**40** Pull through WITH sphincter preservation (coloanal anastomosis)

## RECTOSIGMOID

### SURGERY OF PRIMARY SITE (cont.)

**Procedures coded 50 include, but are not limited to:**

- Abdominoperineal resection (A & P resection)
- Anterior/posterior resection (A/P resection) / Miles' operation
- Rankin's operation

- 50** Total proctectomy
- 51** Total colectomy (removal of the colon from cecum to the rectosigmoid or a portion of the rectum)
- 60** Combination of **50** and **51**
- 70** Colectomy or proctocolectomy WITH an en bloc resection of other organs; pelvic exenteration

En bloc resection is the removal of organs in one piece at one time. Procedures that may be a part of an en bloc resection include, but are not limited to: an oophorectomy and a rectal mucosectomy.

Code **70** includes any colectomy (partial, hemicolectomy, or total) WITH an en bloc resection of any other organs. The other organs may be partially or totally removed.

An **ileal reservoir** which is part of a pelvic exenteration **should be coded in the data item "Reconstruction / Restoration - First Course."**

- 80** Colectomy, NOS; Proctectomy, NOS
- 90** Surgery, NOS
- 99** Unknown if cancer-directed surgery performed; death certificate only

### SURGICAL MARGINS

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only



**RECTOSIGMOID****SCOPE OF REGIONAL LYMPH NODE SURGERY**

The pathology report often identifies regional lymph nodes by their anatomic location: colic; mesenteric; peri-/para-/colic; perirectal; rectal.

**The specific regional lymph nodes are:**

- Inferior mesenteric
- Left colic
- Middle rectal (hemorrhoidal)
- Perirectal
- Sigmoid mesenteric
- Sigmoidal
- Superior rectal (superior hemorrhoidal)

**Superior mesenteric, external iliac and common iliac nodes are DISTANT nodes. Code removal of these nodes under the data item “Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes.”**

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS
- 9** Unknown; not stated; death certificate only

**NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

**RECTOSIGMOID****SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code** the incidental removal of appendix, gallbladder, or bile ducts. [Incidental removal is when an organ is removed for a reason unrelated to the malignancy (e.g., gallbladder removed for obvious cholelithiasis)].

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Removal of other regional site(s), ONLY
  - 3** Removal / surgical ablation of single liver metastasis
  - 4** Removal / surgical ablation of multiple liver metastases
  - 5** Combination of codes **2** and **3** or **4**
  - 6** Removal of other distant site(s) or distant lymph node(s), ONLY
  - 7** Combination of code **6** WITH **3**, **4** or **5**
  - 8** Combination of code **6** WITH **3** or **5**
- 9** Unknown; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Colostomy (permanent)
- 2** Ileostomy, NOS
  - 3** WITHOUT a reservoir or pouch
  - 4** WITH an abdominal reservoir or pouch
  - 5** WITH an anal reservoir or pouch; artificial sphincter
- 9** Unknown; not stated; death certificate only

## RECTUM

### C20.9

#### **SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS (includes laparoscopy)
- 4** Open, NOS
  - 5** Transanal (Kraske, York-Mason)
  - 6** Posterior; coccygeal; trans-sacral; abdominosacral
  - 7** Low anterior (LAR)
  - 8** Abdominal perineal (AP)
- 9** Unknown; not stated; death certificate only

## RECTUM

### **SURGERY OF PRIMARY SITE**

**Note:** Code removal / surgical ablation of single or multiple liver metastases under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy

**28** Curette and fulguration

**Specimen sent to pathology from this surgical event.**

**Procedures coded 30 include, but are not limited to:**

Anterior resection

Hartmann's operation

Low anterior resection (LAR)

Trans-sacral rectosigmoidectomy

**30** Wedge or segmental resection; partial proctectomy, NOS

**Procedures coded 40 include, but are not limited to:**

Altemeier's operation

Duhamel's operation

Soave's submucosal resection

Swenson's operation

Turnbull's operation

**40** Pull through WITH sphincter preservation (coloanal anastomosis)

## RECTUM

### SURGERY OF PRIMARY SITE (cont.)

**Procedures coded 50 include, but are not limited to:**

- Abdominoperineal resection (A & P resection)
- Anterior/Posterior (A/P) resection / Miles' operation
- Rankin's operation

**50** Total proctectomy

**60** Total proctocolectomy, NOS

**70** Proctectomy or proctocolectomy WITH an en bloc resection of other organs; pelvic exenteration

En bloc resection is the removal of organs in one piece at one time.

The creation of an **ileal reservoir** which is a part of a pelvic exenteration **should be coded in the data item "Reconstruction / Restoration - First Course."**

**80** Proctectomy, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

### SURGICAL MARGINS

**0** All margins grossly and microscopically negative

**1** Margins involved, NOS

**2** Microscopic involvement

**5** Macroscopic involvement

**7** Margins not evaluable

**8** No cancer-directed surgery of primary site

**9** Unknown whether margins were involved or negative; death certificate only

**RECTUM****SCOPE OF REGIONAL LYMPH NODE SURGERY**

The pathology report often identifies regional lymph nodes by their anatomic location: mesenteric nodes; perirectal nodes; rectal nodes.

**The specific regional lymph nodes are:**

- Inferior rectal (hemorrhoidal)
- Inferior mesenteric
- Internal iliac
- Lateral sacral
- Middle rectal (hemorrhoidal)
- Perirectal
- Presacral
- Sacral promontory (Gerota's)
- Sigmoid mesenteric
- Superior rectal (hemorrhoidal)

**Superior mesenteric, external iliac and common iliac nodes are classified as DISTANT lymph nodes. Code removal of these nodes under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."**

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS
- 9** Unknown; not stated; death certificate only

**NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

## RECTUM

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code** the incidental removal of appendix, gallbladder, bile ducts, or spleen. [Incidental removal is when an organ is removed for a reason unrelated to the malignancy (e.g., gallbladder removed for obvious cholelithiasis).]

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Removal of other regional site(s), ONLY
  - 3** Removal / surgical ablation of single liver metastasis
  - 4** Removal / surgical ablation of multiple liver metastases
  - 5** Combination of codes **2** with **3** or **4**
  - 6** Removal of other distant site(s) or distant lymph node(s), ONLY
  - 7** Combination of code **6** WITH **3**, **4** or **5**
  - 8** Combination of code **6** WITH **3** or **5**
- 9** Unknown; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Colostomy (permanent)
- 2** Ileostomy, NOS
  - 3** WITHOUT a reservoir or pouch
  - 4** WITH an abdominal reservoir or pouch
  - 5** WITH an anal reservoir or pouch; artificial sphincter
- 9** Unknown; not stated; death certificate only

**ANUS**

**C21.0 - C21.8**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only



## ANUS

### **SURGERY OF PRIMARY SITE**

**00** None; no cancer-directed surgery of primary site

**Procedures for codes 10-14 include, but are not limited to:**

- Cryosurgery
- Electrocautery
- Excisional biopsy
- Laser
- Thermal ablation

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

- 11** Photodynamic therapy (PDT)
- 12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
- 13** Cryosurgery
- 14** Laser

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

- 21** Photodynamic therapy (PDT)
- 22** Electrocautery
- 23** Cryosurgery
- 24** Laser ablation
- 25** Laser excision
- 26** Polypectomy
- 27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

**Note: Margins of resection may have microscopic involvement.**

**60** Abdominal perineal resection, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

### **SURGICAL MARGINS**

**0** All margins grossly and microscopically negative

**1** Margins involved, NOS

- 2** Microscopic involvement
- 5** Macroscopic involvement

**7** Margins not evaluable

**8** No cancer-directed surgery of primary site

**9** Unknown whether margins were involved or negative; death certificate only

## **ANUS**

### **SCOPE OF REGIONAL LYMPH NODE SURGERY**

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS
  - 2** Perirectal, anorectal lymph nodes
  - 3** Internal iliac lymph nodes (hypogastric), unilateral
  - 4** Inguinal lymph nodes, unilateral
  - 5** Combination of **2** and **4**
  - 6** Bilateral internal iliac and/or bilateral inguinal lymph nodes
- 9** Unknown; not stated; death certificate only

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

**ANUS**

**SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional sites
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Colostomy (permanent)
- 2** Ileostomy, NOS
  - 3** WITHOUT a reservoir or pouch
  - 4** WITH an abdominal reservoir or pouch
  - 5** WITH an anal reservoir or pouch; artificial sphincter
- 9** Unknown; not stated; death certificate only

## LIVER and INTRAHEPATIC BILE DUCTS

### C22.0, C22.1

#### **SURGICAL APPROACH**

- 0 None; no cancer-directed surgery of primary site
- 1 Endoscopy ONLY, NOS (laparoscopy)
  - 2 Not image guided
  - 3 Image guided
- 4 Open, NOS
  - 5 Not assisted by endoscopy
  - 6 Assisted by endoscopy
- 9 Unknown; not stated; death certificate only

#### **SURGERY OF PRIMARY SITE**

- 00 None; no cancer-directed surgery of primary site
- 10 Local tumor destruction, NOS
  - 11 Photodynamic therapy (PDT)
  - 12 Electrocautery; fulguration (includes use of hot forceps for tumor destruction)
  - 13 Cryosurgery
  - 14 Laser
  - 15 Alcohol (PEI)
  - 16 Heat
  - 17 Other (ultrasound, acetic acid)
- 20 Wedge resection, NOS; segmental resection
- 30 Lobectomy, NOS
  - 31 Simple
  - 32 Extended (resection of a single lobe plus a segment of another lobe)
- 40 Excision of a bile duct (for an intrahepatic bile duct primary only)
- 70 Total hepatectomy with transplant  
**A liver transplant must also be coded under the data item “Reconstruction / Restoration - First Course.”**
- 80 Hepatectomy, NOS
- 90 Surgery, NOS
- 99 Unknown if cancer-directed surgery performed; death certificate only

## **LIVER and INTRAHEPATIC BILE DUCTS**

### **SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only

### **SCOPE OF REGIONAL LYMPH NODE SURGERY**

#### **Regional lymph nodes are the hilar nodes...:**

- ...along the portal vein
- ...along the inferior vena cava
- ...along the proper hepatic artery
- ...at the hepatic pedicle

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS
- 9** Unknown; not stated; death certificate only

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

## **LIVER and INTRAHEPATIC BILE DUCTS**

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional sites
  - 3** Distant lymph node(s) (includes inferior phrenic lymph nodes)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Rioux-en-Y; hepatojejunostomy including stent
- 2** Liver transplant
- 9** Unknown; not stated; death certificate only

**PANCREAS**

**C25.0 - C25.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS (laparoscopy)
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

**SURGERY OF PRIMARY SITE**

- 00** None; no cancer-directed surgery of primary site
- 10** Local excision of tumor, NOS
- 20** Partial pancreatectomy, NOS
- 40** Total pancreatectomy
- 50** Local or partial pancreatectomy and duodenectomy
  - 51** Without subtotal gastrectomy
  - 52** With subtotal gastrectomy (Whipple)
- 60** Total pancreatectomy and subtotal gastrectomy or duodenectomy
- 70** Extended pancreatoduodenectomy
- 80** Pancreatectomy, NOS
- 90** Surgery, NOS
- 99** Unknown if cancer-directed surgery performed; death certificate only

## PANCREAS

### SURGICAL MARGINS

- 0 All margins grossly and microscopically negative
- 1 Margins involved, NOS
  - 2 Microscopic involvement
  - 5 Macroscopic involvement
- 7 Margins not evaluable
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only

### SCOPE OF REGIONAL LYMPH NODE SURGERY

#### The regional lymph nodes are:

- Celiac (**head only**)
- Hepatic artery
- Infrapyloric (**head only**)
- Lateral aortic
- Pancreaticolienal (**body and tail only**)
- Peripancreatic (superior, inferior, anterior, posterior splenic)
- Retroperitoneal
- Splenic (**body and tail only**)
- Subpyloric (**head only**)
- Superior mesenteric

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
  - 2 Extended lymphadenectomy
    - An extended pancreaticoduodenectomy incorporates selected aspects of the Whipple procedure and regional pancreatectomy. A wide Kocher maneuver removes all lymphatic tissue over the medial aspect of the right kidney, inferior vena cava, and left renal vein.**
- 9 Unknown; not stated; death certificate only



## PANCREAS

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99 Unknown; not stated; death certificate only

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODE(S)**

- 0 None; no surgery to other regional or distant sites
- 1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2 Removal of other regional sites, ONLY
  - 3 Removal of distant node(s)
  - 4 Removal of distant site
  - 5 Combination of 2 WITH 3 and/or 4
- 9 Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

Use the following code only:

- 9 Not applicable (There are no known reconstructive procedures for this site.)

**LARYNX**

**C32.0 - C32.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

## LARYNX

### **SURGERY OF PRIMARY SITE**

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**15** Stripping

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy

**28** Stripping

**Specimen sent to pathology from this surgical event.**

**30** Partial excision of the primary site, NOS; subtotal/partial laryngectomy NOS; hemilaryngectomy NOS

**31** Vertical laryngectomy

**32** Anterior commissure laryngectomy

**33** Supraglottic laryngectomy

**40** Total or radical laryngectomy, NOS

**41** Total laryngectomy ONLY

**42** Radical laryngectomy ONLY

**50** Pharyngolaryngectomy

**80** Laryngectomy, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

## **LARYNX**

### **SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only

**LARYNX****SCOPE OF REGIONAL LYMPH NODE SURGERY****The regional cervical lymph nodes are:**

Buccal (facial)  
 Caudal jugular (deep cervical)  
 Cranial jugular (deep cervical)  
 Dorsal cervical (superficial cervical)  
 Medial jugular (deep cervical)  
 Occipital  
 Paratracheal (anterior cervical)  
 Parotid  
 Prelaryngeal (anterior cervical)  
 Retroauricular (mastoid, posterior auricular)  
 Retropharyngeal  
 Submandibular (submaxillary)  
 Submental  
 Supraclavicular

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 2 Neck dissection, NOS
  - 3 Selective, limited; nodal sampling; “berry picking”
  - 4 Modified / modified radical
  - 5 Radical
- 9 Unknown; not stated; death certificate only

**Terminology of neck dissection (Robbins et al. 1991):**

A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle.

In a modified radical neck dissection, the same lymph nodes are removed as in a radical neck dissection; however, one or more non-lymphatic structures are preserved.

A selective neck dissection is a neck dissection with preservation of one or more lymph node groups routinely removed in radical neck dissection.

## LARYNX

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99 Unknown; not stated; death certificate only

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0 None; no surgery to other regional or distant sites
- 1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2 Other regional sites
  - 3 Distant lymph node(s)
  - 4 Distant site(s)
  - 5 Combination of 4 WITH 2 or 3
- 9 Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0 No reconstruction / restoration
- 1 Flaps, grafts, or any "plastys," NOS
  - 2 WITHOUT implant / prosthesis
  - 3 WITH implant / prosthesis
- 8 Reconstruction / restoration recommended, unknown if performed
- 9 Unknown; not stated; death certificate only

**LUNG**

**C34.0 - C34.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Bronchoscopy
  - 3** Mediastinoscopy
  - 4** Thoracoscopy
- 5** Open, NOS (thoracotomy, sternotomy)
  - 6** Not assisted by endoscopy
  - 7** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

## LUNG

### SURGERY OF PRIMARY SITE

- 00 None; no cancer-directed surgery of primary site
  
- 10 Local tumor destruction or excision, NOS; Photodynamic therapy (PDT)
  - 11 Excision
  - 12 Laser ablation or excision
  - 13 Cautery; fulguration
  - 14 Bronchial sleeve resection ONLY
  
- 20 Resection of less than one lobe
  - 21 Wedge resection
  - 22 Segmental resection, including lingulectomy
  
- 30 Resection of at least one lobe, but less than the whole lung (partial pneumonectomy, NOS)
  - 31 Lobectomy
  - 32 Bilobectomy

#### **Procedures coded 40 include, but are not limited to:**

- Complete pneumonectomy
- Pneumonectomy, NOS
- Sleeve pneumonectomy
- Standard pneumonectomy
- Total pneumonectomy
  
- 40 Resection of whole lung
  
  
- 50 Resection of lung WITH an en bloc resection of other organs
  - 51 Wedge resection
  - 52 Lobectomy
  - 53 Bilobectomy
  - 54 Pneumonectomy (less than a radical or extended pneumonectomy)

**En bloc resection is the removal of organs in one piece at one time.**

- 60 Radical pneumonectomy (a complete pneumonectomy WITH removal of mediastinal lymph nodes)
- Removal of mediastinal nodes is also coded in the data fields “Scope of Regional Lymph Node Surgery” and “Number of Regional Nodes Removed.”**



## LUNG

### **SURGERY OF PRIMARY SITE** (cont.)

**70** Extended radical pneumonectomy [a radical pneumonectomy (including removal of mediastinal nodes) and the removal of other tissues or nodes]

**Removal of mediastinal nodes is also coded in the data fields “Scope of Regional Lymph Node Surgery” and “Number of Regional Nodes Removed.”**

**80** Resection of lung, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

### **SURGICAL MARGINS**

**0** All margins grossly and microscopically negative

**1** Margins involved, NOS

**2** Microscopic involvement

**5** Macroscopic involvement

**7** Margins not evaluable

**8** No cancer-directed surgery of primary site

**9** Unknown whether margins were involved or negative; death certificate only

**LUNG****SCOPE OF REGIONAL LYMPH NODE SURGERY****Mediastinal nodes are:**

Aortic (includes subaortic, aorticopulmonary window, periaortic, including ascending aorta or including azygos)  
 Periesophageal  
 Peritracheal (including those that may be designated tracheobronchial, i.e., lower peritracheal, phrenic)  
 Pre- and retrotracheal (includes precarinal)  
 Pulmonary ligament  
 Subcarinal

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS
  - 2** Intrapulmonary (includes interlobar, lobar, segmental), ipsilateral hilar and/or ipsilateral peribronchial nodes
  - 3** Ipsilateral mediastinal and/or subcarinal nodes
  - 4** Combination of **2** and **3**
  - 5** Contralateral mediastinal, contralateral hilar, ipsilateral or contralateral scalene and/or supraclavicular nodes
  - 6** Combination of **5** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

**NUMBER OF REGIONAL NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

## LUNG

### SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES

**Do not code** the incidental removal of ribs (ribs are removed to provide access to the lung).

- 0 None; no surgery to other regional sites, distant sites or distant lymph nodes
- 1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
- 2 Surgery to a regional site ONLY
  - 3 Removal of a solitary lesion in the same lung (primary site), different (non-primary) lobe  
**There is one primary: Patient has two tumors with the same histology in different lobes of the same lung.**
  - 4 Resection of metastasis in a distant site(s) or resection of distant lymph nodes(s), NOS
  - 5 Removal of a solitary lesion in the contralateral lung  
**Patient has one primary: There is a primary tumor or tumor(s) in one lung and a solitary metastatic lesion in the contralateral lung.**
  - 6 Removal of a solitary lesion in a distant site or a distant lymph node, NOS  
**This includes, but is not limited to, the removal of a solitary metastatic brain lesion.**
  - 7 Removal of multiple lesions in distant site(s)
- 9 Unknown; not stated; death certificate only

### RECONSTRUCTION / RESTORATION - FIRST COURSE

- 0 No reconstruction / restoration
- 1 Chest wall reconstruction / restoration, NOS
- 9 Unknown; not stated; death certificate only

**BONES, JOINTS, CARTILAGE, NERVES, OTHER CONNECTIVE and SOFT TISSUES**

**C40.0 - C40.9, C41.0 - C41.9**    **Bones, Joints, and Articular Cartilage**  
**C47.0 - C47.9**                    **Peripheral Nerves and Autonomic Nervous System**  
**C49.0 - C49.9**                    **Connective, Subcutaneous and Other Soft Tissues**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

**SURGERY OF PRIMARY SITE**

- 00** None; no cancer-directed surgery of primary site
- 10** Local tumor destruction or excision
- 20** Partial resection / internal hemipelvectomy (pelvis)
- 30** Radical excision or resection of lesion with limb salvage
- 40** Amputation of limb
  - 41** Partial amputation of limb
  - 42** Total amputation of limb
- 50** Major amputation, NOS
  - 51** Forequarter, including scapula
  - 52** Hindquarter, including ilium/hip bone
  - 53** Hemipelvectomy
- 90** Surgery, NOS
- 99** Unknown if cancer-directed surgery performed; death certificate only

**BONES, JOINTS, CARTILAGE, NERVES, OTHER CONNECTIVE and SOFT TISSUES**

**SURGICAL MARGINS**

- 0 All margins grossly and microscopically negative
- 1 Margins involved, NOS
  - 2 Microscopic involvement
  - 5 Macroscopic involvement
- 7 Margins not evaluable
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only

**SCOPE OF REGIONAL LYMPH NODE SURGERY**

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 9 Unknown; not stated; death certificate only

**NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99 Unknown; not stated; death certificate only

**BONES, JOINTS, CARTILAGE, NERVES, OTHER CONNECTIVE and SOFT TISSUES**

**SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional site(s)
  - 5** Distant lymph node(s)
  - 6** Distant site(s)
  - 7** Combination of **6** WITH **2, 3, 4,** or **5**
- 9** Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Flap, graft, or any "plasty," NOS
  - 2** WITHOUT implant / prosthesis
  - 3** WITH implant / prosthesis
- 8** Reconstruction / restoration recommended, unknown if performed
- 9** Unknown; not stated; death certificate only

## **SPLEEN and LYMPH NODES**

### **C42.2, C77.0 - C77.9**

#### **SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

#### **SURGERY OF PRIMARY SITE**

- 00** None; no cancer-directed surgery of primary site
- 10** Local excision or destruction, NOS
- 20** Splenectomy, NOS
  - 21** Partial splenectomy
  - 22** Total splenectomy
- 30** Lymph node dissection, NOS
  - 31** One chain
  - 32** Two or more chains
- 40** Lymph node dissection, NOS plus splenectomy
  - 41** One chain
  - 42** Two or more chains
- 50** Lymph node dissection, NOS and partial / total removal of adjacent organ(s)
  - 51** One chain
  - 52** Two or more chains
- 60** Lymph node dissection, NOS and partial / total removal of adjacent organ(s) PLUS splenectomy
  - 61** One chain
  - 62** Two or more chains
- 90** Surgery, NOS
- 99** Unknown if cancer-directed surgery performed; death certificate only

## **SPLEEN and LYMPH NODES**

### **SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only

### **SCOPE OF REGIONAL LYMPH NODE SURGERY**

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS
- 9** Unknown; not stated; death certificate only

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only



## **SPLEEN and LYMPH NODES**

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional site(s)
  - 5** Distant lymph node(s)
  - 6** Distant site(s)
  - 7** Combination of **6** WITH **2, 3, 4,** or **5**
- 9** Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

Use the following code only:

- 9** Not applicable (At this time, reconstructive procedures are not being collected for these sites.)

**SKIN**

**C44.0 - C44.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 4** Open approach
- 9** Death certificate only

## SKIN

### **SURGERY OF PRIMARY SITE**

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser ablation

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

**30** Biopsy of primary tumor followed by a gross excision of the lesion

**31** Shave biopsy followed by a gross excision of the lesion

**32** Punch biopsy followed by a gross excision of the lesion

**33** Incisional biopsy followed by a gross excision of the lesion

**Less than a wide excision, less than 1 cm margin.**

**40** Wide excision or re-excision of lesion or minor (local) amputation, NOS

**Margins of excision are 1 cm or more. Margins may be microscopically involved.**

**Local amputation is the surgical resection of digits, ear, eyelid, lip, or nose.**

**50** Radical excision of a lesion, NOS

**Margins of excision are greater than 1 cm and grossly tumor-free. The margins may be microscopically involved.**

**60** Major amputation, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

**SKIN**

**SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only

**SKIN****SCOPE OF REGIONAL LYMPH NODE SURGERY**

Regional lymph nodes are different for each anatomical subsite.

Head and neck

Cervical  
Ipsilateral preauricular  
Submandibular  
Supraclavicular

Arm

Ipsilateral epitrochlear and  
axillary

Anal margin and perianal skin

Ipsilateral inguinal

Leg

Ipsilateral inguinal and popliteal

Abdomen, loins, buttocks

Ipsilateral inguinal

Thorax

Ipsilateral axillary

There are boundary zones between the subsites (i.e., between the thorax and arm, the boundary zone is the shoulder and axilla). The boundary zones do not belong to either subsite. **If a tumor originates in one of these 4-cm boundary zones, the nodes on either side of the bands are regional.**

Between the subsites "Head and neck" and "Thorax", the boundary zone is "clavícula-acromion-upper shoulder blade edge".

Between the subsites "Thorax" and "Arm", the boundary zone is "shoulder-axilla-shoulder".

Between the subsites "Thorax" and "Abdomen, loins, and buttocks", the boundary zones are "middle between navel and costal arch" in the front, and "lower border of thoracic vertebrae (midtransverse axis)" in the back.

Between the subsites "Abdomen, loins, and buttocks" and "Leg", the boundary zone is "groin-trochanter-gluteal sulcus".

Between right and left sides, the boundary zone is the midline.

**Iliac, other pelvic, abdominal or intrathoracic lymph nodes are DISTANT. Code the removal of these nodes under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."**

- 0 No regional lymph nodes removed
- 1 Sentinel node, NOS (the first node to receive drainage from a primary tumor, identified by an injection of a dye or radio label at the site of the primary tumor)
- 2 Regional lymph nodes removed, NOS
- 9 Unknown; not stated; death certificate only

## **SKIN**

### **NUMBER OF REGIONAL NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional sites
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Pedicle flap, free flap, skin graft, NOS
- 8** Reconstruction / restoration recommended, unknown if performed
- 9** Unknown; not stated; death certificate only

**BREAST**

**C50.0 - C50.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 4** Open approach, NOS
  - 5** WITHOUT dye or needle localization
  - 6** WITH dye or needle localization
- 9** Death certificate only

**BREAST****SURGERY OF PRIMARY SITE**

**00** None; no cancer-directed surgery of primary site

Procedures coded as **10-17** remove the gross primary tumor and some of the breast tissue (breast-conserving or breast-preserving). There may be microscopic residual tumor.

**10** Partial mastectomy, NOS; less than total mastectomy, NOS

**11** Nipple resection

**12** Lumpectomy or excisional biopsy

**13** Re-excision of the biopsy site for gross or microscopic residual disease.

**14** Wedge resection

**15** Quadrantectomy

**16** Segmental mastectomy

**17** Tylectomy

**30** Subcutaneous mastectomy (the removal of breast tissue without the nipple and areolar complex or overlying skin)

**This procedure is rarely performed to treat malignancies.**

**40** Total (simple) mastectomy, NOS

**41** WITHOUT removal of uninvolved contralateral breast

**42** WITH removal of uninvolved contralateral breast

A simple mastectomy removes all breast tissue, the nipple, and areolar complex. An axillary dissection is not done.

For single primaries only, code removal of **involved** contralateral breast under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."

**50** Modified radical mastectomy

**51** WITHOUT removal of uninvolved contralateral breast

**52** WITH removal of uninvolved contralateral breast

Modified radical mastectomy removes all breast tissue, the nipple, the areolar complex, and variable amounts of breast skin. The procedure involves an en bloc resection of the axilla. The specimen may or may not include a portion of the pectoralis major muscle; includes an en bloc axillary dissection.

For single primaries only, code removal of **involved** contralateral breast under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."



## BREAST

### SURGERY OF PRIMARY SITE (cont.)

**60** Radical mastectomy, NOS

**61** WITHOUT removal of uninvolved contralateral breast

**62** WITH removal of uninvolved contralateral breast

Radical mastectomy is the removal of breast tissue, nipple, areolar complex, a variable amount of skin, pectoralis minor, and pectoralis major; includes an en bloc axillary dissection.

For single primaries only, code removal of **involved** contralateral breast under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."

**70** Extended radical mastectomy

**71** WITHOUT removal of uninvolved contralateral breast

**72** WITH removal of uninvolved contralateral breast

Extended radical mastectomy is the removal of breast tissue, nipple, areolar complex, variable amounts of skin, pectoralis minor, and pectoralis major; includes removal of internal mammary nodes and an en bloc axillary dissection.

For single primaries only, code removal of **involved** contralateral breast under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."

**80** Mastectomy, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

**BREAST****SURGICAL MARGINS**

Since the codes are hierarchical, if more than one code is applicable, use the numerically higher code. For example, if multiple margins are microscopically and macroscopically involved, code the macroscopic involvement(s).

"Multiple margins" (4) are two or more *separate* margins microscopically involved with tumor. ONE margin having multiple foci of tumor would be coded as "Single margin" (3).

- 0 All margins grossly and microscopically negative
- 1 Margins involved, NOS
  - 2 Microscopic involvement
    - 3 Single margin
    - 4 Multiple margins
  - 5 Macroscopic involvement
- 7 Margins not evaluable
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only

**SCOPE OF REGIONAL LYMPH NODE SURGERY**

- 0 No regional lymph nodes removed
- 1 Sentinel lymph node(s) removed (the first node to receive drainage from a primary tumor, identified by an injection of a dye or radio label at the site of the primary tumor)
- 2 Regional lymph node(s) removed, NOS; axillary, NOS (Levels I, II, or III lymph nodes); intramammary, NOS
  - 3 Combination of 1 and 2
  - 4 Internal mammary
  - 5 Combination of 4 WITH any of 1-3
- 9 Unknown; not stated; death certificate only

## **BREAST**

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code** removal of fragments or tags of muscles; removal of the pectoralis minor; the resection of pectoralis muscles, NOS; or the resection of fascia with no mention of muscle.

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional site(s)
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
    - 5** Removal of involved contralateral breast (single primary only)
  - 6** Combination of **4** or **5** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

## **BREAST**

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

(The insertion of a tissue expander is often the beginning of the reconstructive procedure.)

- 0** No reconstruction / restoration
- 1** Reconstruction, NOS (unknown if flap)
  - 2** Implant; reconstruction WITHOUT flap
  - 3** Reconstruction WITH flap, NOS
    - 4** Latissimus dorsi flap
    - 5** Abdominus recti flap
    - 6** Flap, NOS + implant
    - 7** Latissimus dorsi flap + implant
    - 8** Abdominus recti + implant
- 9** Unknown; not stated; death certificate only

**CERVIX UTERI**

**C53.0 - C53.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Vaginal, NOS
  - 2** Not assisted by endoscopy
  - 3** Assisted by colposcopy
  - 4** Assisted by laparoscopy
- 5** Open, NOS
  - 6** Not assisted by endoscopy
  - 7** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

## CERVIX UTERI

### SURGERY OF PRIMARY SITE

For **invasive** cancers, note that dilation and curettage is coded as an incisional biopsy (**02**) under the data item “Non Cancer-Directed Surgery.”

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**15** LEEP

**No specimen sent to pathology from this surgical event.**

**20** Local tumor destruction or excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Electrocautery

**22** Cryosurgery

**23** Laser

**24** Cone biopsy WITH gross excision of lesion

**25** Dilatation and curettage; endocervical curettage (cancer-directed for in situ only)

**26** Excisional biopsy, NOS

**27** Cone biopsy

**28** LEEP

**29** Trachelectomy; removal of cervical stump; cervicectomy

**Specimen sent to pathology from this surgical event.**

**30** Total hysterectomy (simple, pan-) WITHOUT removal of tubes and ovaries

**Total hysterectomy removes both the corpus and cervix uteri and may also include a portion of vaginal cuff.**

**40** Total hysterectomy (simple, pan-) WITH removal of tubes or ovary

**Total hysterectomy removes both the corpus and cervix uteri and may also include a portion of vaginal cuff.**

**50** Modified radical or extended hysterectomy; radical hysterectomy; extended radical hysterectomy

**51** Modified radical hysterectomy

**52** Extended hysterectomy

**53** Radical hysterectomy; Wertheim’s procedure

**54** Extended radical hysterectomy

**60** Hysterectomy, NOS, WITH or WITHOUT removal of tubes and ovaries

**61** WITHOUT removal of tubes and ovaries

**62** WITH removal of tubes and ovaries

## CERVIX UTERI

### SURGERY OF PRIMARY SITE (cont.)

**70** Pelvic exenteration

**71** Anterior exenteration (includes bladder, distal ureters, and genital organs WITH their ligamentous attachments and pelvic lymph nodes)

**The removal of pelvic lymph nodes is also coded under the data item “Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes.”**

**72** Posterior exenteration (includes rectum and rectosigmoid WITH ligamentous attachments and pelvic lymph nodes)

**The removal of pelvic lymph nodes is also coded under the data item “Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes.”**

**73** Total exenteration (includes removal of all pelvic contents and pelvic lymph nodes)

**The removal of pelvic lymph nodes is also coded under the data item “Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes.”**

**74** Extended exenteration (includes pelvic blood vessels or bony pelvis)

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

## **CERVIX UTERI**

### **SURGICAL MARGINS**

- 0 All margins grossly and microscopically negative
- 1 Margins involved, NOS
  - 2 Microscopic involvement
  - 5 Macroscopic involvement
- 7 Margins not evaluable
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only

### **SCOPE OF REGIONAL LYMPH NODE SURGERY**

#### **The regional lymph nodes are:**

- Common iliac
- External iliac
- Hypogastric (obturator)
- Internal iliac
- Paracervical
- Parametrial
- Presacral
- Sacral

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 9 Unknown; not stated; death certificate only

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99 Unknown; not stated; death certificate only



**CERVIX UTERI****SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code** the incidental removal of the appendix. **Do not code** an omentectomy **IF** it was the only surgery performed in addition to hysterectomy. (Incidental removal is when an organ is removed for a reason unrelated to the malignancy.)

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional site(s)
  - 3** Distant lymph node(s), NOS
    - 4** Periaortic lymph nodes
  - 5** Distant site(s)
  - 6** Combinations of **5** with **4**
  - 7** Combination of **5** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Vaginal reconstruction
- 2** Urinary reconstruction
- 3** Bowel reconstruction / restoration
- 4** Combination of **3** with **1** or **2**
- 8** Reconstruction / restoration recommended, unknown if performed
- 9** Unknown; not stated; death certificate only

**CORPUS UTERI**

**C54.0 - C54.9, C55.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Vaginal, NOS
  - 2** Not assisted by endoscopy
  - 3** Assisted by colposcopy
  - 4** Assisted by laparoscopy
- 5** Open, NOS
  - 6** Not assisted by endoscopy
  - 7** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

**CORPUS UTERI****SURGERY OF PRIMARY SITE**

For **invasive** cancers, dilation and curettage is coded as an incisional biopsy (**02**) under the data item “Non Cancer-Directed Surgery.”

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**15** LEEP

**No specimen sent to pathology from this surgical event.**

**Procedures in code 20 include, but are not limited to:**

Cryosurgery

Electrocautery

Excisional biopsy

Laser ablation

Thermal ablation

**20** Local tumor destruction or excision, NOS; simple excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Electrocautery

**22** Cryosurgery

**23** Laser

**24** Excisional biopsy

**25** Polypectomy

**26** Myomectomy

**Specimen sent to pathology from this surgical event.**

**Margins of resection may have microscopic involvement.**

**30** Subtotal hysterectomy / supracervical hysterectomy / fundectomy WITH or WITHOUT removal of tube(s) and ovary(ies).

**31** WITHOUT tube(s) and ovary (ies)

**32** WITH tube(s) and ovary (ies)

**Cervix is left in place.**

**40** Total hysterectomy (simple, pan-) WITHOUT removal of tube(s) and ovary (ies)

**Total hysterectomy removes both the corpus and cervix uteri. It may also include a portion of the vaginal cuff.**

**50** Total hysterectomy (simple, pan-) WITH removal of tube(s) or ovary (ies)

**Total hysterectomy removes both the corpus and cervix uteri. It may also include a portion of the vaginal cuff.**

## CORPUS UTERI

### SURGERY OF PRIMARY SITE

- 60 Modified radical or extended hysterectomy; radical hysterectomy; extended radical hysterectomy
  - 61 Modified radical hysterectomy
  - 62 Extended hysterectomy
  - 63 Radical hysterectomy; Wertheim's procedure
  - 64 Extended radical hysterectomy
  
- 70 Hysterectomy, NOS, WITH or WITHOUT removal of tube(s) and ovary(ies)
  - 71 WITHOUT removal of tube(s) and ovary(ies)
  - 72 WITH removal of tube(s) and ovary(ies)
  
- 80 Pelvic exenteration
  - 81 Anterior exenteration (includes bladder, distal ureters, and genital organs WITH their ligamentous attachments and pelvic lymph nodes)  
**The removal of pelvic lymph nodes is also coded under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."**
  - 82 Posterior exenteration (includes rectum and rectosigmoid WITH ligamentous attachments and pelvic lymph nodes)  
**The removal of pelvic lymph nodes is also coded under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."**
  - 83 Total exenteration (includes removal of all pelvic contents and pelvic lymph nodes)  
**The removal of pelvic lymph nodes is also coded under the data item "Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes."**
  - 84 Extended exenteration (includes pelvic blood vessels or bony pelvis)
  
- 90 Surgery, NOS
  
- 99 Unknown if cancer-directed surgery performed; death certificate only

## **CORPUS UTERI**

### **SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only

### **SCOPE OF REGIONAL LYMPH NODE SURGERY**

#### **The regional lymph nodes are:**

- Common iliac and external iliac
- Hypogastric (obturator)
- Para aortic
- Parametrial
- Sacral

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS
  - 2** Pariaortic with or without other regional lymph nodes
- 9** Unknown; not stated; death certificate only

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

**CORPUS UTERI****SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code** the incidental removal of the appendix. **Do not code** an omentectomy **IF** it was the only surgery performed in addition to hysterectomy. [Incidental removal is when an organ is removed for a reason unrelated to the malignancy.]

- 0 None; no surgery to other regional or distant sites
- 1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2 Other regional site(s)
  - 3 Distant lymph node(s)
  - 4 Distant site(s)
  - 5 Combination of 4 WITH 2 or 3
- 9 Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0 No reconstruction / restoration
- 1 Vaginal reconstruction
- 2 Urinary reconstruction
- 3 Bowel reconstruction / restoration
- 4 Combination of 3 with 1 or 2
- 8 Reconstruction / restoration recommended, unknown if performed
- 9 Unknown; not stated; death certificate only

**OVARY**

**C56.9**

**SURGICAL APPROACH**

**0** None; no cancer-directed surgery of primary site

**1** Endoscopy, NOS (laparoscopy)

**2** Not image guided

**3** Image guided

**Open approaches include, but are not limited to:**

Low transverse abdominal incision

Vertical abdominal incision

**4** Open, NOS

**5** Not assisted by endoscopy

**6** Assisted by endoscopy

**9** Unknown; not stated; death certificate only

**OVARY****SURGERY OF PRIMARY SITE**

- 00 None; no cancer-directed surgery of primary site
  
- 10 Total removal of tumor or (single) ovary, NOS
  - 11 Resection of ovary (wedge, subtotal, or partial) ONLY, NOS; unknown if hysterectomy done
    - 12 WITHOUT hysterectomy
    - 13 WITH hysterectomy
  - 14 Unilateral (salpingo-) oophorectomy; unknown if hysterectomy done
    - 15 WITHOUT hysterectomy
    - 16 WITH hysterectomy
  
- 20 Bilateral (salpingo-)oophorectomy; unknown if hysterectomy done
  - 21 WITHOUT hysterectomy
  - 22 WITH hysterectomy
  
- 30 Unilateral or bilateral (salpingo-) oophorectomy **WITH OMENTECTOMY**, NOS; partial or total; unknown if hysterectomy done
  - 31 WITHOUT hysterectomy
  - 32 WITH hysterectomy
  
- 60 Debulking; cytoreductive surgery, NOS
  - 61 WITH colon (including appendix) and/or small intestine resection (not incidental)
  - 62 WITH partial resection of urinary tract (not incidental)
  - 63 Combination of 61 and 62

**Debulking is a partial removal of the tumor mass and can involve the removal of multiple organ sites. It may include removal of ovaries and/or the uterus (a hysterectomy). The pathology report may or may not identify ovarian tissue. A debulking is usually followed by another treatment modality, such as chemotherapy.**



## OVARY

### SURGERY OF PRIMARY SITE (cont.)

- 70 Pelvic exenteration, NOS
- 71 Anterior (includes bladder, distal ureters, and genital organs WITH their ligamentous attachments and pelvic lymph nodes)  
**The removal of pelvic lymph nodes is also coded under the data item “Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes.”**
- 72 Posterior (includes rectum and rectosigmoid WITH ligamentous attachments and pelvic lymph nodes)  
**The removal of pelvic lymph nodes is also coded under the data item “Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes.”**
- 73 Total (includes removal of all pelvic contents and pelvic lymph nodes)  
**The removal of pelvic lymph nodes is also coded under the data item “Surgery of Other Regional Sites, Distant Sites or Distant Lymph Nodes.”**
- 74 Extended (includes pelvic blood vessels or bony pelvis)
- 80 (Salpingo-) oophorectomy, NOS
- 90 Surgery, NOS
- 99 Unknown if cancer-directed surgery performed; death certificate only

### SURGICAL MARGINS

**For this site only**, this field will describe the residual tumor after cancer-directed surgery.

- 0 No visible residual tumor
- 1 Visible residual tumor, NOS
- 2 Visible residual tumor, cumulative maximum of less than 1 cm
- 3 Visible residual tumor, cumulative maximum of at least 1 cm, not more than 2 cm
- 4 Visible residual tumor, cumulative maximum of more than 2 cm
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether visible residual tumor was present; death certificate only

## **OVARY**

### **SCOPE OF REGIONAL LYMPH NODE SURGERY**

**The regional lymph nodes are:**

- Common iliac
- External iliac
- Hypogastric (obturator)
- Inguinal
- Lateral sacral
- Paraaortic
- Pelvic, NOS
- Retroperitoneal, NOS

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS
- 9** Unknown; not stated; death certificate only

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

## **OVARY**

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code** an incidental removal of the appendix. (Incidental removal is when an organ is removed for a reason unrelated to the malignancy.)

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional site(s)
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Urinary reconstruction
- 2** Bowel reconstruction / restoration
- 3** Combination of **1** and **2**
- 8** Reconstruction / restoration recommended, unknown if performed
- 9** Unknown; not stated; death certificate only

**PROSTATE**

**C61.9**

**SURGICAL APPROACH**

Code the approach for a radical prostatectomy as "retropubic" (**8**) unless otherwise specified.

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS (transurethral)
- 2** Laparoscopic, NOS
- 3** Open, NOS
  - 4** Suprapubic
  - 5** Perineal
  - 7** Trans-sacral
  - 8** Retropubic
- 9** Unknown; not stated; death certificate only

**PROSTATE****SURGERY OF PRIMARY SITE**

**Do not code** an orchiectomy in this field. For prostate primaries, orchiectomies are coded in the field “Hormone Therapy.”

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction or excision, NOS

**11** Transurethral resection (TURP), NOS

**12** TURP - cancer is incidental finding during surgery for benign disease

**13** TURP - patient had suspected/known cancer

**14** Cryoprostatectomy

**15** Laser

**16** Hyperthermia

**17** Other method of local resection or destruction

**30** Subtotal or simple prostatectomy, NOS (a segmental resection or enucleation leaving the capsule intact)

**40** Less than total prostatectomy, NOS (an enucleation using an instrument such as a Vaportrode which may leave all or part of the capsule intact)

**50** Radical prostatectomy, NOS

Total prostatectomy, NOS

**These procedures include excision of prostate, prostatic capsule, ejaculatory ducts, seminal vesicle(s), and may include a narrow cuff of bladder neck.**

**70** Prostatectomy WITH en bloc resection of other organs; pelvic exenteration

<p>Surgeries coded <b>70</b> are any prostatectomy WITH an <u>en bloc resection</u> of any other organs. The other organs may be partially or totally removed. <u>En bloc resection</u> is the removal of organs in one piece at one time. Procedures that may involve an en bloc resection include, but are not limited to: cystoprostatectomy, radical cystectomy, prostatectomy.</p>
---

**80** Prostatectomy, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

## PROSTATE

### SURGICAL MARGINS

The codes are hierarchical -- if more than one code is applicable, use the numerically higher code. For example, if multiple margins are microscopically and macroscopically involved, code the macroscopic involvement (5).

"Multiple margins" (4) are two or more *separate* margins microscopically involved with tumor. ONE margin having multiple foci of tumor would be coded as "Single margin" (3).

- 0 All margins grossly and microscopically negative
- 1 Margin(s) involved, NOS
  - 2 Microscopic involvement
    - 3 Single margin
    - 4 Multiple margins
  - 5 Macroscopic involvement, NOS
- 7 Margins not evaluable (TURP)
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only

### SCOPE OF REGIONAL LYMPH NODE SURGERY

#### The regional lymph nodes are:

Hypogastric  
 Iliac, NOS (internal and external)  
 Obturator  
 Pelvic, NOS  
 Periprostatic  
 Sacral, NOS (lateral presacral, promontory [Gerota's] or NOS)

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 9 Unknown; not stated; death certificate only

**PROSTATE****NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of nodes unknown /not stated and not documented as sampling or dissection
- 99 Unknown if regional lymph nodes removed; death certificate only

**SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code orchietomy here.** For prostate primaries, code orchietomies under “Hormone Therapy.”

The most commonly removed **distant** lymph nodes are: aortic (para-aortic, peri-aortic, lumbar); common iliac; inguinal; superficial inguinal (femoral); supraclavicular; cervical; and scalene.

- 0 None; no surgery to other regional or distant sites
- 1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2 Other regional site(s)
  - 3 Distant lymph node(s)
  - 4 Distant site(s)
  - 5 Combination of 4 WITH 2 or 3
- 9 Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0 No reconstruction / restoration
- 1 Reconstruction / restoration, NOS
  - 2 Collagen injection for incontinence
  - 3 Penile prosthesis
  - 4 Artificial urinary sphincter
  - 5 Combinations of 4 WITH 2 or 3
- 9 Unknown; not stated; death certificate only

**TESTIS**

**C62.0 - C62.9**

**SURGICAL APPROACH**

- 0 None; no cancer-directed surgery of primary site
- 4 Open, NOS
  - 5 Scrotal
  - 6 Inguinal
- 9 Death certificate only

**SURGERY OF PRIMARY SITE**

- 00 None; no cancer-directed surgery of primary site
- 10 Local or partial excision of testicle
- 30 Excision of testicle, NOS WITHOUT cord
- 40 Excision of testicle, NOS WITH cord, /or cord not mentioned
- 80 Orchiectomy, NOS
- 90 Surgery, NOS
- 99 Unknown if cancer-directed surgery performed; death certificate only

**SURGICAL MARGINS**

- 0 All margins grossly and microscopically negative
- 1 Margins involved, NOS
  - 2 Microscopic involvement
  - 5 Macroscopic involvement
- 7 Margins not evaluable
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only



## TESTIS

### **SCOPE OF REGIONAL LYMPH NODE SURGERY**

**The regional lymph nodes are:**

- Interaortocaval
- Paraaortic (Periaortic)
- Paracaval
- Preaortic
- Precaval
- Retroaortic
- Retrocaval

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS; not stated if bilateral or unilateral
  - 2** Unilateral regional lymph nodes
  - 3** Bilateral regional lymph nodes
- 9** Unknown; not stated; death certificate only

### **NUMBER OF REGIONAL NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

## **TESTIS**

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional sites
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0** No reconstruction / restoration
- 1** Testicular implant
- 8** Reconstruction / restoration recommended, unknown if performed
- 9** Unknown; not stated; death certificate only

**KIDNEY, RENAL PELVIS, and URETER**

**C64.9, C65.9, C66.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

## KIDNEY, RENAL PELVIS, and URETER

### SURGERY OF PRIMARY SITE

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy

**Specimen sent to pathology from this surgical event.**

**Procedures coded 30 include, but are not limited to:**

Cryosurgery

Electrocautery

Excisional biopsy

Laser

Segmental resection

Thermal ablation

Wedge resection

**30** Partial or subtotal nephrectomy (kidney or renal pelvis) or partial ureterectomy (ureter)

**Margins of resection are grossly negative. There may be microscopic involvement.**

**40** Complete / total / simple nephrectomy - for kidney parenchyma

Nephroureterectomy

**These procedures include bladder cuff for renal pelvis or ureter.**

**50** Radical nephrectomy (may include removal of a portion of vena cava, adrenal gland(s), Gerota's fascia, perinephric fat, or partial / total ureter)

**KIDNEY, RENAL PELVIS, and URETER****SURGERY OF PRIMARY SITE** (cont.)

**70** Any nephrectomy (simple, subtotal, complete, partial, simple, total, radical) **PLUS** an en bloc resection of other organ(s) (colon, bladder)

**The other organs, such as colon or bladder, may be partially or totally removed.**

**80** Nephrectomy, NOS  
Ureterectomy, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only

**SURGICAL MARGINS**

**0** All margins grossly and microscopically negative

**1** Margins involved, NOS

**2** Microscopic involvement

**5** Macroscopic involvement

**7** Margins not evaluable

**8** No cancer-directed surgery of primary site

**9** Unknown whether margins were involved or negative; death certificate only

**SCOPE OF REGIONAL LYMPH NODE SURGERY**

**The regional nodes for each site are:**

**Kidney**

Aortic (para-aortic, periaortic, lateral aortic)

Paracaval

Renal hilar

Retroperitoneal, NOS

**Renal Pelvis**

Aortic

Paracaval

Renal hilar

Retroperitoneal, NOS

**Ureter**

Iliac [common, internal (hypogastric),  
external]

Paracaval

Pelvic, NOS

Periureteral

Renal hilar

**0** No regional lymph nodes removed

**1** Regional lymph node(s) removed, NOS; not stated if bilateral or unilateral

**2** Unilateral regional lymph nodes

**3** Bilateral regional lymph nodes

**9** Unknown; not stated; death certificate only

**KIDNEY, RENAL PELVIS, and URETER****NUMBER OF REGIONAL NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 91 Regional lymph node removal documented as a sampling, and number of nodes unknown/not stated
- 92 Regional lymph node removal documented as dissection and number of nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of nodes unknown /not stated and not documented as sampling or dissection
- 99 Unknown if regional lymph nodes removed; death certificate only

**SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

Do not code the incidental removal of ribs during the operative approach (ribs removed to provide access).

- 0 None; no surgery to other regional or distant sites
- 1 Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2 Other regional site(s)
  - 3 Distant lymph node(s)
  - 4 Distant site(s)
  - 5 Combination of 4 WITH 2 or 3
- 9 Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0 No reconstruction / restoration
- 1 Kidney transplant (primary site)
- 8 Reconstruction / restoration recommended, unknown if performed
- 9 Unknown; not stated; death certificate only

**BLADDER**

**C67.0 - C67.9**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Cystoscopy (TURB)
  - 3** Laparoscopy
- 4** Open, NOS
  - 5** Not assisted by endoscopy (laparoscopy)
  - 6** Assisted by endoscopy (laparoscopy)
- 9** Unknown; not stated; death certificate only

**BLADDER****SURGERY OF PRIMARY SITE**

**00** None; no cancer-directed surgery of primary site

**10** Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)

**11** Photodynamic therapy (PDT)

**12** Electrocautery; fulguration (includes use of hot forceps for tumor destruction)

**13** Cryosurgery

**14** Laser

**No specimen sent to pathology from this surgical event.**

**20** Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)

**21** Photodynamic therapy (PDT)

**22** Electrocautery

**23** Cryosurgery

**24** Laser ablation

**25** Laser excision

**26** Polypectomy

**27** Excisional biopsy (TURB)

**Specimen sent to pathology from this surgical event.**

**30** Partial cystectomy

**50** Simple / total / complete cystectomy

**60** Radical cystectomy (male only)

**This code is used only for males. A radical cystectomy in a male involves the removal of the bladder and prostate, with or without urethrectomy. (If a radical cystectomy is performed on a female, use code 71.)**

**70** Pelvic exenteration, NOS

**71** Radical cystectomy (female only); anterior exenteration

**A radical cystectomy in a female includes removal of the bladder, uterus, ovaries, entire vaginal wall and entire urethra. (If a radical cystectomy is performed on a male, use code 60.)**

**72** Posterior exenteration

**73** Total exenteration (includes removal of all pelvic contents and pelvic lymph nodes)

**74** Extended exenteration (includes pelvic blood vessels or bony pelvis)

**80** Cystectomy, NOS

**90** Surgery, NOS

**99** Unknown if cancer-directed surgery performed; death certificate only



## **BLADDER**

### **SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only

### **SCOPE OF REGIONAL LYMPH NODE SURGERY**

#### **The regional lymph nodes are:**

Hypogastric  
Iliac (internal, external, NOS)  
Obturator  
Pelvic, NOS  
Perivesical  
Presacral  
Sacral [lateral, sacral promontory (Gerota's)]

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS; not stated if bilateral or unilateral
  - 2** Unilateral regional lymph nodes
  - 3** Bilateral regional lymph nodes
- 9** Unknown; not stated; death certificate only

## **BLADDER**

### **NUMBER OF REGIONAL NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

**Do not code** the partial or total removal of a ureter during a cystectomy.

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional site(s)
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

## BLADDER

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

- 0 No reconstruction / restoration
- 1 Conduit diversion
- 2 Continent reservoir (a bladder substitute)  
**Types of continent reservoirs include, but are not limited to:**
  - Hemi-Kock
  - Ileal reservoir
  - Ileocecal reservoir
  - Indiana or Mainz pouch
  - Koch
  - Studer pouch
  - W-shaped ileoneobladder by Hautmann
- 8 Reconstruction / restoration recommended, unknown if performed
- 9 Unknown; not stated; death certificate only

**BRAIN and OTHER PARTS OF CENTRAL NERVOUS SYSTEM**

**C70.0 - C70.9 Meninges**

**C71.0 - C71.9 Brain**

**C72.0 - C72.9 Other Parts of Central Nervous System**

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 4** Open
- 9** Unknown; not stated; death certificate only

**SURGERY OF PRIMARY SITE**

**DO NOT CODE** laminectomies for spinal cord primaries.

- 00** None; no cancer-directed surgery of primary site
- 10** Local tumor destruction
- 20** Excision of tumor, lesion, or mass
  - 21** Subtotal resection, NOS
  - 22** Partial resection
  - 23** Debulking
- 30** Excision of tumor, lesion, or mass, NOS
  - 31** Total resection
  - 32** Gross resection
- 40** Partial resection, NOS
  - 41** Partial lobe
  - 42** Partial meninges
  - 43** Partial nerve(s)
- 50** Total resection (lobectomy of brain)
- 60** Radical resection (resection of primary site plus partial or total removal of surrounding organs / tissue)
- 90** Surgery, NOS
- 99** Unknown if cancer-directed surgery performed; death certificate only

## **BRAIN and OTHER PARTS OF CENTRAL NERVOUS SYSTEM**

### **SURGICAL MARGINS**

- 0** All margins grossly and microscopically negative
- 1** Margins involved, NOS
  - 2** Microscopic involvement
  - 5** Macroscopic involvement
- 7** Margins not evaluable
- 8** No cancer-directed surgery of primary site
- 9** Unknown whether margins were involved or negative; death certificate only

### **SCOPE OF REGIONAL LYMPH NODE SURGERY**

There are **NO regional lymph nodes** for the **brain**. Code "no regional lymph nodes removed" (**0**) for all brain primaries.

**Central nervous system** sites, however, **do** have regional lymph nodes.

- 0** No regional lymph nodes removed
- 1** Regional lymph node(s) removed, NOS
- 9** Unknown; not stated; death certificate only

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

There are **NO regional lymph nodes** for the **brain**. Code "no regional lymph nodes removed" (**00**) for all brain primaries.

**Central nervous system** sites, however, **do** have regional lymph nodes.

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

**BRAIN and OTHER PARTS OF CENTRAL NERVOUS SYSTEM**

**SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional site(s)
  - 5** Distant lymph node(s)
  - 6** Distant site(s)
  - 7** Combination of **6** WITH **2, 3, 4,** or **5**
- 9** Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

Use the following code only:

- 9** Not applicable (There are no known reconstructive procedures for this site.)

## THYROID GLAND

### C73.9

#### **SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

#### **SURGERY OF PRIMARY SITE**

- 00** None; no cancer-directed surgery of primary site
- 10** Removal of less than a lobe, NOS
  - 11** Local surgical excision
  - 12** Removal of a partial lobe ONLY
- 20** Lobectomy and/or isthmectomy
  - 21** Lobectomy ONLY
  - 22** Isthmectomy ONLY
  - 23** Lobectomy WITH isthmus
- 30** Removal of a lobe and partial removal of the contralateral lobe
- 40** Subtotal or near total thyroidectomy
- 50** Total thyroidectomy
- 80** Thyroidectomy, NOS
- 90** Surgery, NOS
- 99** Unknown if cancer-directed surgery performed; death certificate only

## THYROID GLAND

### SURGICAL MARGINS

- 0 All margins grossly and microscopically negative
- 1 Margins involved, NOS
  - 2 Microscopic involvement
  - 5 Macroscopic involvement
- 7 Margins not evaluable
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only

### SCOPE OF REGIONAL LYMPH NODE SURGERY

The regional lymph nodes are the cervical and upper mediastinal lymph nodes.

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
  - 2 Neck dissection, NOS
    - 3 Selective, limited; nodal sampling; “berry picking”
    - 4 Modified / modified radical
    - 5 Radical
- 9 Unknown; not stated; death certificate only

#### Terminology of neck dissection (Robbins et al. 1991):

A radical neck dissection includes the removal of all ipsilateral cervical lymph node groups, i.e., lymph nodes from levels I through V (submental, submandibular, cranial jugular, medial jugular, caudal jugular, dorsal cervical nodes along the accessory nerve, and supraclavicular), and removal of the spinal accessory nerve, internal jugular vein and sternocleidomastoid muscle.

In a modified radical neck dissection, the same lymph nodes are removed as in a radical neck dissection; however, one or more non-lymphatic structures are preserved.

A selective neck dissection is a neck dissection with preservation of one or more lymph node groups routinely removed in radical neck dissection.



## **THYROID GLAND**

### **NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00** No regional lymph nodes removed
- 01** One regional lymph node removed
- 02** Two regional lymph nodes removed
- .....
- 90** Ninety or more regional lymph nodes removed
- 95** No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96** Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97** Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98** Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99** Unknown; not stated; death certificate only

### **SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional site(s)
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

### **RECONSTRUCTION / RESTORATION - FIRST COURSE**

Use the following code only:

- 9** Not applicable (There are no known reconstructive procedures for this site.)

**ALL OTHER SITES**

<b>C14.2; C14.8</b>	<b>Waldeyer's ring; Overlapping lesion of lip, oral cavity and pharynx</b>
<b>C17.0 - C17.9</b>	<b>Small Intestine</b>
<b>C23.9</b>	<b>Gallbladder</b>
<b>C24.0 - C24.9</b>	<b>Other and Unspecified Parts of Biliary Tract</b>
<b>C26.0 - C26.9</b>	<b>Other and Ill-Defined Digestive Organs</b>
<b>C30.0 - C30.1</b>	<b>Nasal Cavity and Middle Ear</b>
<b>C31.0 - C31.9</b>	<b>Accessory Sinuses</b>
<b>C33.9</b>	<b>Trachea</b>
<b>C37.9</b>	<b>Thymus</b>
<b>C38.0 - C38.8</b>	<b>Heart, Mediastinum, and Pleura</b>
<b>C39.0 - C39.9</b>	<b>Other and Ill-Defined Sites Within Respiratory System and Intrathoracic Organs</b>
<b>C42.0, C42.1</b>	<b>Blood, Bone marrow</b>
<b>C42.3, C42.4</b>	<b>Reticuloendothelial system, Hematopoietic system</b>
<b>C48.0 - C48.8</b>	<b>Retroperitoneum and Peritoneum</b>
<b>C51.0 - C51.9</b>	<b>Vulva</b>
<b>C52.9</b>	<b>Vagina</b>
<b>C57.0 - C57.9</b>	<b>Other and Unspecified Female Genital Organs</b>
<b>C58.9</b>	<b>Placenta</b>
<b>C60.0 - C60.9</b>	<b>Penis</b>
<b>C63.0 - C63.9</b>	<b>Other and Unspecified Male Genital Organs</b>
<b>C68.0 - C68.9</b>	<b>Other and Unspecified Urinary Organs</b>
<b>C69.0 - C69.9</b>	<b>Eye and Adnexa</b>
<b>C74.0 - C76.8</b>	<b>Adrenal Gland; Other Endocrine Glands and Related Structures; Other and Ill-Defined Sites</b>
<b>C80.9</b>	<b>Unknown Primary Site</b>

**SURGICAL APPROACH**

- 0** None; no cancer-directed surgery of primary site
- 1** Endoscopy, NOS
  - 2** Not image guided
  - 3** Image guided
- 4** Open, NOS
  - 5** Not assisted by endoscopy
  - 6** Assisted by endoscopy
- 9** Unknown; not stated; death certificate only

## ALL OTHER SITES

### **SURGERY OF PRIMARY SITE**

- 00 None; no cancer-directed surgery of primary site
- 10 Local tumor destruction, NOS (**WITHOUT PATHOLOGY SPECIMEN**)
  - 11 Photodynamic therapy (PDT)
  - 12 Electrocautery' fulguration
  - 13 Cryosurgery
  - 14 Laser

**No specimen sent to pathology from this surgical event.**

- 20 Local tumor excision, NOS (**WITH PATHOLOGY SPECIMEN**)
  - 21 Photodynamic therapy (PDT)
  - 22 Electrocautery
  - 23 Cryosurgery
  - 24 Laser ablation
  - 25 Laser excision
  - 26 Polypectomy
  - 27 Excisional biopsy

**Specimen sent to pathology from this surgical event.**

- 30 Simple / partial surgical removal of primary site
- 40 Total surgical removal of primary site
- 50 Surgery stated to be "debulking"
- 60 Radical surgery (partial or total removal of the primary site WITH an en bloc resection (partial or total removal) of other organs)
- 90 Surgery, NOS
- 99 Unknown if cancer-directed surgery performed; death certificate only

**ALL OTHER SITES**

**SURGICAL MARGINS**

- 0 All margins grossly and microscopically negative
- 1 Margins involved, NOS
  - 2 Microscopic involvement
  - 5 Macroscopic involvement
- 7 Margins not evaluable
- 8 No cancer-directed surgery of primary site
- 9 Unknown whether margins were involved or negative; death certificate only

**SCOPE OF REGIONAL LYMPH NODE SURGERY**

- 0 No regional lymph nodes removed
- 1 Regional lymph node(s) removed, NOS
- 9 Unknown; not stated; death certificate only

**NUMBER OF REGIONAL LYMPH NODES REMOVED**

- 00 No regional lymph nodes removed
- 01 One regional lymph node removed
- 02 Two regional lymph nodes removed
- .....
- 90 Ninety or more regional lymph nodes removed
- 95 No regional lymph node(s) removed but aspiration of regional lymph node(s) was performed
- 96 Regional lymph node removal documented as a sampling and number of lymph nodes unknown/not stated
- 97 Regional lymph node removal documented as dissection and number of lymph nodes unknown/not stated
- 98 Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented as sampling or dissection
- 99 Unknown; not stated; death certificate only

**ALL OTHER SITES**

**SURGERY OF OTHER REGIONAL SITES, DISTANT SITES OR DISTANT LYMPH NODES**

- 0** None; no surgery to other regional or distant sites
- 1** Surgery to other site(s) or node(s), NOS; unknown if regional or distant
  - 2** Other regional sites
  - 3** Distant lymph node(s)
  - 4** Distant site(s)
  - 5** Combination of **4** WITH **2** or **3**
- 9** Unknown; not stated; death certificate only

**RECONSTRUCTION / RESTORATION - FIRST COURSE**

Use the following code only:

- 9** Not applicable (At this time, reconstructive procedures are not being collected for these sites.)