CHAPTER 6  ICD-10-CM Coding

ASSIGNMENT 6.1  ICD-9-CM Legacy Coding System: Interpreting General Equivalence Mappings

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
<th>Column 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>003.24</td>
<td>00324</td>
<td>A0224</td>
<td>A02.24</td>
</tr>
<tr>
<td>001.9</td>
<td>0019</td>
<td>A009</td>
<td>A00.9</td>
</tr>
<tr>
<td>002.3</td>
<td>0023</td>
<td>A013</td>
<td>A01.3</td>
</tr>
<tr>
<td>001.0</td>
<td>0010</td>
<td>A000</td>
<td>A00.0</td>
</tr>
<tr>
<td>003.22</td>
<td>00322</td>
<td>A0222</td>
<td>A02.22</td>
</tr>
</tbody>
</table>

ASSIGNMENT 6.2  Overview of ICD-10-CM: Comparing ICD-10-CM to ICD-9-CM

<table>
<thead>
<tr>
<th>ICD-9-CM Code</th>
<th>ICD-10-CM Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>996.1</td>
<td>T82.310A</td>
<td>Mechanical breakdown of aortic graft (replacement)</td>
</tr>
<tr>
<td>996.1</td>
<td>T82.311A</td>
<td>Mechanical breakdown of carotid arterial graft (bypass)</td>
</tr>
<tr>
<td>996.1</td>
<td>T82.312A</td>
<td>Mechanical breakdown of femoral arterial graft (bypass)</td>
</tr>
<tr>
<td>996.1</td>
<td>T82.318A</td>
<td>Mechanical breakdown of other vascular grafts</td>
</tr>
<tr>
<td>996.1</td>
<td>T82.319A</td>
<td>Mechanical breakdown of unspecified vascular grafts</td>
</tr>
</tbody>
</table>

ASSIGNMENT 6.3  ICD-10-CM Coding Conventions

Format

1. C46.52  Kaposi’s sarcoma, left lung
2. D50.0  Chronic blood loss anemia
3. H40.211  Acute narrow angle glaucoma, right eye
4. P52.5  Subarachnoid hematoma (newborn)
5. N17.1  Acute cortical necrosis, left kidney

Eponyms

6. E54  Barlow’s disease
7. D67  Christmas disease
8. E34.51  De Quervain syndrome
9. H35.069  Eale’s disease
10. D50.9  Faber’s syndrome

NEC and NOS Abbreviations

11. A04.9  Bacterial enteritis
12. D64.9  Anemia
13. M48.8×9  Nonsyphilitic neurogenic spondylopathy
14. K73.8  Chronic granulomatous hepatitis
15. H04.121  Dry eye syndrome of right lacrimal gland

Punctuation

16. F44.4  Abasia
17. E85.4; I43  Amyloidosis, heart
18. H33.011  Detachment of retina with retinal break, right eye
19. A52.17  Taboparesis
20. E05.91; I43  Thyrotoxic heart disease with thyroid storm

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Includes, Excludes1, Excludes2, and Inclusion Terms

21. I81; K75.1 Portal vein thrombosis and phlebitis of portal vein
22. I89.0 Secondary lymphedema
23. J02.0 Acute sore throat due to streptococcus
24. J04.0 Acute subglottic laryngitis
25. K00.0 Oligodontia

Other, Other Specified, and Unspecified

26. M79.89 Polyalgia
27. K83.8 Bile duct adhesions
28. M10.9 Gout
29. K14.8 Hypertrophic tongue
30. I87.8 Venofibrosis

And, Due to, With

31. J85.3 Abscess of mediastinum
32. A67.2 Vitiligo due to pinta
33. R50.9 Fever with chills
34. L02.229 Furuncle of trunk
35. A42.0 Pneumonia due to pulmonary actinomycosis

Cross References: See, See Also, See Category, See Condition

36. H30.92 Retinitis, left eye
37. I38 Chronic valvulitis
38. K00.1 Duplication of teeth
39. M27.2 Acute osteitis of jaw
40. S67.01xA Injury of right thumb, crushing (initial encounter)
41. H61.891 Fistula of right external ear canal
42. I35.8 Aortic valve aneurysm
43. T23.401A Corrosive burn of right hand (initial encounter)
44. K29.40 Gastric atrophia
45. A83.3 Type C cephalitis

ASSIGNMENT 6.4 ICD-10-CM Index to Diseases and Injuries

Identifying Main Terms and Assigning Codes

1. B02.9 Herpes zoster
2. G20 Parkinson’s disease
3. J32.0 Maxillary sinusitis
4. J11.00 Pneumonia with influenza
5. K44.9 Hiatal hernia
6. N34.0 Skene’s gland abscess
7. L25.3 Skin eruption due to chemical product
8. L53.9 Infectious erythema
9. Q69.0 Polydactyly of fingers
10. S05.90xA Blindness due to injury, initial encounter
Neoplasm Table

11. C09.9 Carcinoma of right palatine tonsil (Neoplasm Table)
12. C56.9; C78.7 Metastatic ovarian cancer to the liver (Neoplasm Table)
13. C16.9 Stomach cancer (Neoplasm Table)
14. D17.9 Lipoma of muscle, right forearm
15. C40.22 Osteosarcoma, left femoral head (Neoplasm Table)
16. Q85.00 Neurofibromatosis
17. C81.90 Hodgkin’s sarcoma
18. C91.10 Chronic lymphocytic leukemia of B-cell type
19. C83.32 Intrathoracic reticulosarcoma (Neoplasm Table)
20. C21.8 Adenocarcinoma of rectum and anus (Neoplasm Table)

Table of Drugs and Chemicals

21. T45.0x5A Allergic reaction to Benadryl (Table of Drugs and Chemicals)
22. T61.781A Accidental food poisoning from lobster (food, shellfish) (Table of Drugs and Chemicals)
23. T65.891A Accidental poisoning from ingesting toilet deodorizer (Table of Drugs and Chemicals)
24. T39.1x5A Adverse effect of acetaminophen (Table of Drugs and Chemicals)
25. T42.6x2A Suicide attempt, Ambien (Table of Drugs and Chemicals)
26. T38.0x1A Accidental overdose of prednisone (Table of Drugs and Chemicals)
27. T36.0x5A; L27.0 Rash due to therapeutic use of penicillin (Table of Drugs and Chemicals)
28. E04.9; T38.1x6A Underdosing of Synthroid in patient with enlarged thyroid (Table of Drugs and Chemicals)
29. T42.6x1A; R42 Dizziness due to accidental overdose of Valerian tincture (Table of Drugs and Chemicals)
30. T58.92xA Suicide attempt due to carbon monoxide poisoning (Table of Drugs and Chemicals)

Index to External Causes of Injuries

31. X58.xxxA Patient suffered mental cruelty (Index to External Causes of Injuries)
32. V86.92xA Snowmobile occupant injured in nontraffic accident
33. W94.11xA Altitude sickness
34. Y04.0xxA; Y90.4 Patient participated in a brawl, and blood alcohol level was 85 mg/100 ml
35. Y35.91xA Law enforcement officer injured during administration of capital punishment
36. W49.04xA Patient’s wedding band constricted ring finger, left hand
37. X34.xxxA Patient injured in earthquake
38. W31.4xxA Patient fell out of window and sustained minor injuries
39. W29.4xxA Patient was using nail gun and nailed hand to roof
40. E46; Y92.89 Malnourished adolescent was living in an abandoned house (Place of occurrence)
ASSIGNMENT 6.5  ICD-10-CM Tabular List of Diseases and Injuries

Multiple Coding and Combination Coding

1. B85.0  Parasitic infestation of eyelid due to *pediculus capitis*
2. B05.0  Post-infectious *encephalitis* due to measles (20 years ago)
3. E05.90; G99.0  Peripheral *neuropathy* in hyperthyroidism
4. E75.21  Cerebral *degeneration* due to Fabry’s disease
5. G71.19; H28  Myotonic *cataract* due to Thomsen’s disease
6. H10.31; H10.401  Acute and chronic *conjunctivitis*, right eye
7. H02.64; E78.6  Xanthelasma of the left upper eyelid due to lipoprotein *deficiency*
8. H71.01  Cholesteatoma, right middle ear and attic
9. O22.03  Varicose vein with inflammation, left lower extremity, complicating third-trimester *pregnancy*
10. L40.59; L41.9  Psoriatic *arthropathy* and *parapsoriasis*
11. E13.10  Diabetes with ketoacidosis
12. H33.039  Detached retina with giant tear
13. I01.9  Rheumatic *fever* with heart involvement
14. I50.1  Acute lung *edema* with heart disease
15. I70.213  Atherosclerosis of the extremities with intermittent claudication
16. J44.0  *Emphysema* with acute and chronic bronchitis
17. K25.2  Acute gastric *ulcer* with perforation and hemorrhage
18. K57.90; K57.92  Diverticulosis with *diverticulitis*
19. K81.2  Acute and chronic *cholecystitis*
20. S82.402A; S82.202A  Closed *fractures* of left fibula and tibia shafts

Injury, Poisoning, and Certain Other Consequences of External Causes and External Causes of Morbidity

21. T22.291A  Second-degree *burn*, right upper arm and shoulder
22. T28.0xxA; T28.1xxA  Burns of mouth, pharynx, and esophagus
23. T21.30xA  Third-degree *burn*, trunk
24. S32.2xxA; S34.3xxA  Open *fracture* of coccyx with cauda equina spinal cord injury
25. S62.212A  *Bennett’s fracture*, left hand, closed
26. S12.400A  Fifth cervical vertebra *fracture*, closed
27. L90.5; T22.30xS  *Scarring* due to third-degree burn of left arm
28. I69.359  *Hemiplegia* due to old cerebral infarction
29. M79.622; S49.82xS  *Pain* due to left upper arm *injury* from car accident 10 years ago
30. G93.9; G09  Brain *damage* due to old cerebral abscess

Factors Influencing Health Status and Contact with Health Services

31. Z71.89  Exercise *counseling*
32. F10.21  Personal *history* of alcoholism
33. Z71.89  *Counseling* for parent-child conflict
34. Z12.39  *Screening* for bilateral breast cancer
35. Z09  Postsurgical follow-up exam
36. Z00.00  Adult health *checkup*
37. Z00.129  Routine child (age 2) health *checkup*
38. Z44.21  *Fitting* of artificial eye, right
39. Z23  Flu shot (Vaccination)
40. Z80.3  Family *history* of breast cancer
### ASSIGNMENT 6.6 Diagnostic Coding and Reporting Guidelines for Outpatient Services

**Coding Diagnostic Statements**

**NOTE:** Refer to outpatient coding guidelines in textbook Chapter 6 for coding clarification (e.g., when a definitive diagnosis is documented, do not code signs and symptoms).

<table>
<thead>
<tr>
<th>1.</th>
<th>J03.90</th>
<th>Fever, difficulty swallowing, acute <strong>tonsillitis</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>R07.9</td>
<td>Chest pain, rule out arteriosclerotic heart disease</td>
</tr>
<tr>
<td>3.</td>
<td>I10; J20.9; Z80.1</td>
<td>Hypertension, acute bronchitis, family history of lung cancer</td>
</tr>
<tr>
<td>4.</td>
<td>D17.24</td>
<td>Lipoma, subcutaneous tissue of left thigh</td>
</tr>
<tr>
<td>5.</td>
<td>J45.901</td>
<td>Audible wheezing, acute exacerbation of asthma</td>
</tr>
<tr>
<td>6.</td>
<td>Z01.419</td>
<td>Routine annual gynecological visit and exam with Pap smear</td>
</tr>
<tr>
<td>7.</td>
<td>S51.811A; M25.572; M25.532</td>
<td>Laceration of right forearm. Pain, left ankle and left wrist. Possible left ankle fracture. Possible left wrist fracture.</td>
</tr>
<tr>
<td>8.</td>
<td>Z34.02</td>
<td>Pregnancy visit (normal female at second trimester, first pregnancy)</td>
</tr>
<tr>
<td>9.</td>
<td>N20.0</td>
<td>Renal calculi with hematuria</td>
</tr>
<tr>
<td>10.</td>
<td>Z93.3</td>
<td>Status post colostomy</td>
</tr>
<tr>
<td>11.</td>
<td>H66.91</td>
<td>Fever, acute otitis media</td>
</tr>
<tr>
<td>12.</td>
<td>B27.00</td>
<td>Epstein-Barr mononucleosis</td>
</tr>
<tr>
<td>13.</td>
<td>A02.0</td>
<td>Severe nausea and vomiting, gastroenteritis due to salmonella food poisoning</td>
</tr>
<tr>
<td>14.</td>
<td>I50.9; R60.0</td>
<td>Congestive heart failure with bilateral right leg edema</td>
</tr>
<tr>
<td>15.</td>
<td>R73.01</td>
<td>Elevated fasting blood glucose level of 145 mg/dL</td>
</tr>
<tr>
<td>16.</td>
<td>K21.9</td>
<td>Gastroesophageal reflux disease</td>
</tr>
<tr>
<td>17.</td>
<td>J30.9</td>
<td>Severe headache, stuffy nose, allergic sinusitis</td>
</tr>
<tr>
<td>18.</td>
<td>K85.9</td>
<td>Epigastric abdominal pain, fever, vomiting, tachycardia, acute pancreatitis</td>
</tr>
<tr>
<td>19.</td>
<td>M00.861; B96.3</td>
<td>Pyogenic arthritis of right knee due to <em>H. influenzae</em> infection</td>
</tr>
<tr>
<td>20.</td>
<td>A18.84</td>
<td>Acute pericarditis due to tuberculosis</td>
</tr>
</tbody>
</table>

### Coding Patient Cases

<table>
<thead>
<tr>
<th>1.</th>
<th>I25.10</th>
<th>Coronary artery disease</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>E66.01</td>
<td>Exogenous obesity</td>
</tr>
<tr>
<td></td>
<td>M15.9</td>
<td>Degenerative joint disease involving multiple joints</td>
</tr>
<tr>
<td></td>
<td>Z86.79</td>
<td>History of congestive heart failure</td>
</tr>
<tr>
<td></td>
<td>I48.0</td>
<td>Atrial fibrillation</td>
</tr>
<tr>
<td></td>
<td>I25.2</td>
<td>History of myocardial infarction</td>
</tr>
<tr>
<td>2.</td>
<td>R26.9</td>
<td>Gait disorder</td>
</tr>
<tr>
<td></td>
<td>M47.892</td>
<td>Cervical spondylosis</td>
</tr>
<tr>
<td></td>
<td>G62.9</td>
<td>Peripheral neuropathy</td>
</tr>
<tr>
<td>3.</td>
<td>E78.5</td>
<td>Hyperlipidemia</td>
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<tr>
<td></td>
<td>I25.10</td>
<td>Coronary artery disease</td>
</tr>
<tr>
<td></td>
<td>I67.9</td>
<td>Cerebrovascular disease</td>
</tr>
<tr>
<td></td>
<td>K21.9</td>
<td>Esophageal reflux</td>
</tr>
<tr>
<td></td>
<td>F41.8</td>
<td>Anxiety with depression</td>
</tr>
<tr>
<td>4.</td>
<td>S31.831A</td>
<td>Anal tear</td>
</tr>
<tr>
<td></td>
<td>K64.9</td>
<td>Hemorrhoids</td>
</tr>
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<td>5.</td>
<td>H57.11</td>
<td>Orbital pain, right</td>
</tr>
<tr>
<td></td>
<td>M25.551</td>
<td>Right hip pain</td>
</tr>
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ASSIGNMENT 6.7  Multiple Choice Review

1. b   11. d
2. d   12. b
3. c   13. b
4. a   14. d
5. a   15. c
6. c   16. b
7. c   17. b
8. a   18. c
9. c   19. a
10. a  20. d