TAHIMA
ICD-10-CM Coding: Obstetrics and Cardiovascular

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ICD-10-CM/PCS Coding: A Map for Success
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ICD-10-CM OB and CV

Use the ICD-10-CM Index, Tabular List, and Guidelines to code a sample obstetrics case.

Use the ICD-10-CM Index, Tabular List, and Guidelines to code a sample cardiovascular case.
3 Skills of an Ace Coder

- Abstract
  - Read the medical record and identify the key elements.
- Assign
  - Identify the correct codes based on information documented in the medical record and the official coding guidelines.
  - Use the Index and Tabular List to assign the highest level of specificity and the correct number of characters.
- Arrange(Sequence)
  - Sequence multiple codes in the order required by the guidelines, based on the documentation.
Obstetrics Case Example

INPATIENT HOSPITAL  Gender: F  Age: 28
Gravida: 2  Para: 3  EGA: 39
Reason for admission: full term labor
Assessment: cord entanglement and compression of fetus 2
Delivery: fetus 1 (boy) TBLC NSVD with third degree tear that required repair, fetus 2 (girl) TBLC vaginal delivery converted to classical cesarean d/t cord entanglement

Note: The patient’s first delivery was vaginal. The physician provided all antepartum and postpartum care for this patient.

OGCR I.C.15

• I.C.15. Chapter 15: Pregnancy, Childbirth, and the Puerperium (O00-O9A)
  a. General Rules for obstetric cases
  b. Selection of OB principal or first-listed diagnosis
  c. Pre-existing conditions versus conditions due to the pregnancy
  d. Pre-existing hypertension in pregnancy
  e. Fetal conditions affecting the management of the mother
  f. HIV infection in pregnancy, childbirth and the puerperium
  g. Diabetes mellitus in pregnancy
  h. Long term use of insulin
  i. Gestational (pregnancy induced) diabetes
  j. Sepsis and septic shock complicating abortion, pregnancy, childbirth and the puerperium

(continued)
OGCR I.C.15 (2)

k. Puerperal sepsis
l. Alcohol and tobacco use during pregnancy, childbirth and the puerperium
m. Poisoning, toxic effects, adverse effects and underdosing in a pregnant patient
n. Normal delivery, code O80
o. The Peripartum and Postpartum Periods
p. Code O94, Sequelae of complication of pregnancy, childbirth, and the puerperium
q. Termination of pregnancy and spontaneous abortions
r. Abuse in a pregnant patient

OGCR Highlights

• The majority of codes in Chapter 15 have a final character indicating the trimester of pregnancy. The timeframes for the trimesters are indicated at the beginning of the chapter. (a.3)
• Where applicable, a 7th character is to be assigned for certain categories (O31, O32, O33.3 - O33.6, O35, O36, O40, O41, O60.1, O60.2, O64, and O69) to identify the fetus for which the complication code applies. (a.6)
• When a delivery occurs, the principal diagnosis should correspond to the main circumstances or complication of the delivery. (b.4)
• A code from category Z37, Outcome of delivery, should be included on every maternal record when a delivery has occurred. Use additional code from category Z3A, Weeks of gestation, to identify the specific week of the pregnancy. (b.5)
ICD-10-CM Terms of Pregnancy


OGCR Highlights (2 of 2)

- **Encounter for full term uncomplicated delivery:**
  - code O80 (n.1)
    - Full-term normal delivery
    - Delivery of a single, healthy infant
    - Without any complications antepartum, during the delivery, or postpartum during the delivery episode
    - Always a principal diagnosis
    - Not to be used with other codes from chapter 15
ICD-10-CM Normal Delivery

Table 23-11  DEFINITION OF A NORMAL DELIVERY, ICD-10-CM CODE 080

<table>
<thead>
<tr>
<th>Includes</th>
<th>Excludes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimal or no assistance</td>
<td>Fetal manipulation</td>
</tr>
<tr>
<td>Episiotomy</td>
<td>Rotation version</td>
</tr>
<tr>
<td>Spontaneous</td>
<td>Instrumentation/forceps</td>
</tr>
<tr>
<td>Cephalic presentation</td>
<td>Induced labor</td>
</tr>
<tr>
<td>Vaginal</td>
<td>Noncephalic presentation</td>
</tr>
<tr>
<td>Full-term</td>
<td>Cesarean delivery</td>
</tr>
<tr>
<td>Single gestation</td>
<td>Preterm delivery</td>
</tr>
<tr>
<td>Live-born infant</td>
<td>Postterm delivery</td>
</tr>
<tr>
<td>Resolved antepartum conditions</td>
<td>Prolonged delivery</td>
</tr>
<tr>
<td>No other complications</td>
<td>Multiple gestation</td>
</tr>
<tr>
<td></td>
<td>Stillbirth</td>
</tr>
<tr>
<td></td>
<td>Any complication</td>
</tr>
</tbody>
</table>


Anatomy: Twin Configurations of the Chorion and Amnion

Abstracting Criteria (1)

- Will the patient be under age 16 or age 35 and older at EDD? No, age 28.
- How many fetuses are there? 2
- What trimester is the pregnancy? 3rd
- How many weeks of gestation are completed? 39
- How many pregnancies has the patient had, including the current one? Para 3
- How many births has the patient had? Gravida 2
- What preexisting medical conditions exist? None stated

Abstracting Criteria (2)

- What complications exist? cord entanglement and compression; perineal laceration
- What is the current gestational age? 39
- How many chorions and amniotic sacs are present? 2 chorions, 2 amniotic sacs (by definition fraternal twins)
- Which fetus is affected by the complication? 2
- What is the main reason for the encounter or the primary complication treated? Full term labor; cord entanglement and compression
Index: Cord Entanglement

- Delivery
  - complicated by, cord, entanglement

Index: Perineal Laceration

- Delivery
  - complicated by, laceration, perineum, 3rd degree
Index: Twin Pregnancy

- Pregnancy
  - twin, dichorionic/diamniotic

Index: Weeks of Gestation

- Pregnancy
  - weeks of gestation, 39 weeks
Index: Outcome of Delivery

- Outcome of delivery
  - twins, both liveborn

Tabular List: Cord Entanglement

- **O69.2XX2** Labor and delivery complicated by other cord entanglement, with compression, fetus 2
### Tabular List: Twin Pregnancy

- **O30.043** Twin pregnancy, dichorionic/diamniotic, third trimester


### Tabular List: Perineal Laceration

- **O70.2** Third degree perineal laceration during delivery

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**O70 Perineal laceration during delivery**

*Includes:* episiotomy extended by laceration  
*Excludes1:* obstetric high vaginal laceration alone (O71.4)

**O70.2 Third degree perineal laceration during delivery**

Perineal laceration, rupture or tear during delivery as in O70.1, also involving anal sphincter  
Perineal laceration, rupture or tear during delivery as in O70.1, also involving rectovaginal septum  
Perineal laceration, rupture or tear during delivery as in O70.1, also involving sphincter NOS  
*Excludes1:* anal sphincter tear during delivery without third degree perineal laceration (O70.4)  
perineal laceration involving anal or rectal mucosa (O70.3)
Tabular List: Outcome of Delivery

• **Z37.2 Twins, both liveborn**

  Z37 Outcome of delivery
  This category is intended for use as an additional code to identify the outcome of delivery on the mother’s record. It is not for use on the newborn record.
  Excludes: stillbirth (P95)
  Z37.0 Single live birth
  Z37.1 Single stillbirth
  **Z37.2 Twins, both liveborn**
  Z37.3 Twins, one liveborn and one stillborn
  Z37.4 Twins, both stillborn

Tabular List: Weeks of Gestation

• **Z3A.39 39 weeks gestation of pregnancy**

  Z3A Weeks of gestation
  Note: Codes from category Z3A are for use, only on the maternal record, to indicate the weeks of gestation of the pregnancy.
  Code first: complications of pregnancy, childbirth and the puerperium (C00-D9A)

  Z3A.3 Weeks of gestation of pregnancy, weeks 30-39
  Z3A.30 30 weeks gestation of pregnancy
  Z3A.31 31 weeks gestation of pregnancy
  Z3A.32 32 weeks gestation of pregnancy
  Z3A.33 33 weeks gestation of pregnancy
  Z3A.34 34 weeks gestation of pregnancy
  Z3A.35 35 weeks gestation of pregnancy
  Z3A.36 36 weeks gestation of pregnancy
  Z3A.37 37 weeks gestation of pregnancy
  Z3A.38 38 weeks gestation of pregnancy
  **Z3A.39 39 weeks gestation of pregnancy**
  Z3A.4 Weeks of gestation of pregnancy, weeks 40 or greater
Final Coding

O69.2XX2 Labor and delivery complicated by other cord entanglement, with compression, fetus 2
O30.043 Twin pregnancy, dichorionic/diamniotic, third trimester
O70.2 Third degree perineal laceration during delivery
Z37.2 Twins, both liveborn
Z3A.39 39 weeks gestation of pregnancy
Cardiovascular Case Example

INPATIENT HOSPITAL  Gender: M  Age: 67
Preoperative diagnosis: chronic unstable angina, acute STEMI involving the anterior wall and left anterior descending (LAD) coronary artery
Procedure: Coronary artery bypass grafting (CABG) utilizing the left internal mammary artery (LIMA) to LAD. Total cardiopulmonary bypass (CPB).
Postoperative diagnosis: Acute STEMI LAD; atherosclerotic heart disease with 90% blockage in LAD, with unstable angina due to 50 years continuous cigarette nicotine dependence.

OGCR I.C.9

• Chapter 9: Diseases of the Circulatory System (I00-I99)
  a. Hypertension
  b. Atherosclerotic coronary artery disease and angina
  c. Intraoperative and postprocedural cerebrovascular accident
  d. Sequelae of cerebrovascular disease
  e. Acute myocardial infarction (AMI)
OGCR Highlights (1)

• I.C.9
• b. Atherosclerotic Coronary Artery Disease and Angina
  – ICD-10-CM has combination codes for atherosclerotic heart disease with angina pectoris. Subcategories:
    • I25.11, Atherosclerotic heart disease of native coronary artery with angina pectoris
    • I25.7, Atherosclerosis of coronary artery bypass graft(s) and coronary artery of transplanted heart with angina pectoris.
  – When using one of these combination codes it is not necessary to use an additional code for angina pectoris.
    • A causal relationship can be assumed in a patient with both atherosclerosis and angina pectoris, unless the documentation indicates the angina is due to something other than the atherosclerosis.

OGCR Highlights (2)

• e. ST elevation myocardial infarction (STEMI) and non ST elevation myocardial infarction (NSTEMI)
  – The ICD-10-CM codes for acute myocardial infarction (AMI) identify the site, such as anterolateral wall or true posterior wall. Subcategories I21.0-I21.2 and code I21.3 are used for ST elevation myocardial infarction (STEMI).
OGCR Highlights (3)

• I.C.5

• Psychoactive Substance Use
  – Codes for psychoactive substance use (F10.9-, F11.9-, F12.9-, F13.9-, F14.9-, F15.9-, F16.9-) should only be assigned based on provider documentation and when they meet the definition of a reportable diagnosis.
  – The codes are to be used only when the psychoactive substance use is associated with a mental or behavioral disorder, and such a relationship is documented by the provider.
Anatomy: Major Coronary Vessels


Anatomy: CABG

Abstracting Criteria (1)

- What part of the circulatory system is affected? Heart
- What is the specific anatomic site? Anterior wall and left anterior descending (LAD)
- What type of disorder is present? STEMI
- Is the condition further specified as complete, partial, current, or old? Acute
- What is the underlying cause? Atherosclerotic heart disease
- Does the patient have a current, subsequent, or old MI? Yes, current MI
- Has the patient had more than one AMI in the past four weeks? No

(continued)

Abstracting Criteria (2)

- What other CV conditions coexist? Chronic unstable angina, atherosclerotic heart disease
- What is the patient’s exposure to or use of tobacco? 50 years continuous cigarette nicotine dependence
- Does the patient have a family history of CV disease? None stated
- If a vessel is blocked or diseased, is it an artery or vein? Artery
- Is it a native vessel or a graft? Native artery, left anterior descending (LAD) coronary artery
Index: Myocardial Infarction

- Infarction
  - Myocardium, ST elevation, involving, left anterior descending artery I21.02

Index: Arteriosclerosis

- Arteriosclerosis
  - Coronary, coronary artery, native vessel, with, agnina pectoris, unstable I25.110
Index: Nicotine Dependence

• Dependence
  – Drug, nicotine, cigarettes, specified disorder F17.218

Tabular List: Myocardial Infarction

I21.02 ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery

I21.01 ST elevation (STEMI) myocardial infarction involving left main coronary artery

I21.02 ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery

I21.09 ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall

Acute transmural myocardial infarction of anterior wall
Anteroseptal transmural (O wave) infarction (acute)
Anterolateral transmural (O wave) infarction (acute)
Anteroseptal transmural (O wave) infarction (acute)
Transmural (O wave) infarction (acute) of anterior wall NOC
## Tabular List: Arteriosclerosis

- **I25.110** Atherosclerotic heart disease of native coronary artery with unstable angina pectoris

  - **I25** Chronic ischemic heart disease
    - Use additional code to identify:
      - chronic total occlusion of coronary artery (I25.62)
      - exposure to environmental tobacco smoke (Z77.22)
      - history of tobacco use (Z87.891)
      - occupational exposure to environmental tobacco smoke (Z57.31)
      - tobacco dependence (F17.0)
      - tobacco use (Z72.0)

  - **I25.1** Atherosclerotic heart disease of native coronary artery
    - Atherosclerotic cardiovascular disease
    - Coronary (artery) atheroma
    - Coronary (artery) atherosclerosis
    - Coronary (artery) disease
    - Coronary (artery) sclerosis

    Use additional code, if applicable, to identify:
    - coronary atherosclerosis due to calcified coronary lesion (I25.04)
    - coronary atherosclerosis due to lipid rich plaque (I25.93)

    **Excludes2:** atheroembolism (I77.)
    - atherosclerosis of coronary artery bypass graft(s) and transplanted heart (I25.7)

  - **I25.10** Atherosclerotic heart disease of native coronary artery without angina pectoris

  - **I25.11** Atherosclerotic heart disease of native coronary artery with angina pectoris

    - **I25.110** Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
      - Excludes1: unstable angina without atherosclerotic heart disease (I20.0)

    - **I25.111** Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm
      - Excludes1: angina pectoris with documented spasm without atherosclerotic heart disease (I20.1)

## Tabular List: Nicotine Dependence

- **F17.218** Nicotine dependence, cigarettes, with other nicotine-induced disorders

  - **F17** Nicotine dependence
    - Excludes1: history of tobacco dependence (Z87.891)
    - tobacco use NOS (Z72.0)
    - Excludes2: tobacco use (smoking) during pregnancy, childbirth and the puerperium (O99.933)
      - toxic effect of nicotine (T65.2)

    - **F17.2** Nicotine dependence
      - **F17.200** Nicotine dependence, unspecified
        - **F17.200** Nicotine dependence, unspecified, uncomplicated
          - **F17.2001** Nicotine dependence, unspecified, in remission
          - **F17.2003** Nicotine dependence unspecified, with withdrawal
          - **F17.2008** Nicotine dependence, unspecified, with other nicotine-induced disorders
          - **F17.2009** Nicotine dependence, unspecified, with unspecified nicotine-induced disorders

      - **F17.210** Nicotine dependence, cigarettes
        - **F17.210** Nicotine dependence, cigarettes, uncomplicated
          - **F17.2101** Nicotine dependence, cigarettes, in remission
          - **F17.2103** Nicotine dependence, cigarettes, with withdrawal
          - **F17.2108** Nicotine dependence, cigarettes, with other nicotine-induced disorders
          - **F17.2109** Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders

      - **F17.219** Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders
Final Coding

- **I21.02** ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery
- **I25.110** Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
- **F17.218** Nicotine dependence, cigarettes, with other nicotine-induced disorders

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