NORTHEAST TEXAS COMMUNITY COLLEGE

Advanced Medical Coding

HITT 2346.088 Online
Summer 2025

COURSE SYLLABUS

Instructor: April Brannon, CMA
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Start Date: June 9, 2025
End Date: August 13,2025

Course Description

This course covers advanced concepts of ICD and CPT coding rules, conventions, and guidelines in complex case studies. Government regulations and changes in healthcare reporting will also be studied. This course will concentrate on PCS (Procedure Code Classification System) coding.

Textbooks: ***ICD-10-PCS: An Applied Approach 2023. Kuehn & Jorwic, AHiMA ISBN: 9781584268826***

Course Learning Objectives

Upon successful completion of this course, the student should be able to:

- Define key terms related to each chapter
- Describe the background and rationale for the development of ICD-10-PCS.
- List the seven characters that compose an ICD-10-PCS code.
- Identify the 17 sections of ICD-10-PCS and distinguish between the Medical and Surgical, Medical and Surgical-Related, and Ancillary Sections.
- Describe the body system and body part characters and how the two-character values relate to each other.
- Define the meaning of the root operation and the nine subgroups of the root operations in the Medical and Surgical section.
- List and define the seven different approach values used in ICD-10-PCS.
- Describe the device character and the criteria for including a value for devices.
- Discuss the use of the Device Key, Device Aggregation Table, and Substance Key found in the ICD-10-PCS system.
- Discuss the use of the qualifier as the last character in the ICD-10-PCS code.

- List the steps in code building in ICD-10-PCS, both in using the CMS file and code book method.
- Build ICD-10-PCS codes for given procedures using the CMS file and code book method.
- Complete the objectives for each chapter covered in this course.

Course Policies

To ensure you have all key information available to you off-line, it is highly recommended that you print the syllabus for your reference.

Attendance:

This is an online course – there is no on-campus attendance for this course. Attendance is not recorded for this class. It is recommended that you log-on to your classroom at least once daily to ensure you are aware of announcements, assignments, discussions, and testing. The course week begins on Monday at 12:01am and ends on Sunday at 12:00 midnight. Days of the week correspond as follows:

Monday – Day 1
Tuesday – Day 2
Wednesday – Day 3
Thursday – Day 4
Friday – Day 5
Saturday – Day 6
Sunday – Day 7

Instructional Methods and Tools:

The instructional methods and tools are tied to the course and chapter learning objectives by allowing the student to research, discover, and perform the differing coding exercises and class discussion forums. This course uses the following tools to aid students in successfully achieving the learning objectives in this course:

1. Weekly assignments and coding scenarios.
2. Weekly discussion questions.
3. Additional articles, lectures, and video demonstrations supplied by the instructor.

Evaluation and Grading Criteria:

Assignments will be given each week and will cover information contained in your text, class discussions, and any additional materials given by the instructor. If there is an alteration in the class calendar, the change will be announced in the “announcements” section of BlackBoard. All assignment due dates are listed in the course calendar and under the description of the actual assignment in the weekly learning module. If you

have a conflict with the date, it is your responsibility to contact me in advance of the due date to make arrangements for alternate submission. Failure to do so will result in a grade of zero for the assignment. **It is your responsibility to ensure that your assignments are submitted on or before the due date!** I do understand that there are unforeseen circumstances (such as a death in the immediate family or hospitalization) that may not allow you to post assignments by the due date. Please contact me as soon as possible to arrange for an extension. Technology issues are not valid reasons for missing deadlines. Course weeks close on Day 7 at 11:59pm.

The instructor will **not** drop students from the course rolls for any reason. If the student decides not to complete the course, it is the responsibility of the student to officially drop the course through the Registrar's office. Failure to do so will result in an "F" being awarded in the course.

Grading:

DQ's	20%
Chapter Review Assignments	35%
Capstone Final Coding Exam	45%

Grading Scale:

The grading scale of all evaluations combined will be the following:

90% - 100%	=	A
89% - 80%	=	B
79% - 75%	=	C
Below 75%	**=**	**F**

**** A minimum of a "C" is required to pass this course.**

Drop Policy: The last day to drop with a grade of "W" is **Thursday, July 31st, 2025.**

Grades will be posted online under the **"Gradebook"** tab in Blackboard. Grades will typically be posted no later than day 7 of the following week in which the assignment was due. For example, if your assignment was due in Week 3, you should receive grades on that assignment by Day 7 of Week 4.

I will log into the course several times during the week to monitor the weekly **Discussion** area. Feedback will be provided in the **Discussion** area and/or in the **Announcements** area. Requests for more specific feedback may be made in the **Discussion** area or in the **Ask the Instructor** area. I will typically respond to at least one main post each week, but will not all posts will receive a response. If you feel you are not receiving enough feedback, you are strongly encouraged to contact me and ask for more specific feedback via email.

Academic Dishonesty:
Academic dishonesty is considered an act of cheating. Each student has a responsibility to follow the college policies regarding academic dishonesty which are found on page 86 in the Northeast Texas Community College General Catalog. Please see my letter regarding Academic Integrity found on BlackBoard under **"START HERE"**

Any student found guilty of academic dishonesty, the issue will be dealt with per NTCC's policies and may receive a grade of "0" for that assignment. A second violation will result in failure of the course.

Online Communication:
Since this is online course and we do not interact face-to-face, good communication within the online environment is essential. Please read "The Core Rules of Netiquette" posted under **"START HERE."**

If you have any questions regarding course content or questions related specifically to the class, please post them in **"Ask the Instructor"** within the **"DISCUSSIONS"** forum**.** Please take advantage of this forum as all students may benefit from your knowledge. If you have a personal question or situation, please email me directly. I make it a policy to answer all emails within 24 hours of receipt of the email. If I do not respond to you in 24 hours, you may text or call me. As with electronic transfer of information (Internet connection issues), I may not have received your email. I also make it a point to log on to our classroom frequently each week. If for any reason I will be unavailable or need to update the class with any changes during the semester, I will post an announcement that will display the next time you enter the course. Blackboard will require you to read all announcements before moving forward.

It is important to always check your **NTCC E-mail, the Discussion** area, **Announcements**, and the **Ask the Instructor** area each time you check into the classroom. One of your classmates may have offered feedback or insight that will be helpful to you, or I may have provided information in general to assist you in your work.

Private e-mailing between student and instructor via **NTCC e-mail** should only be used for personal, confidential situations. Any communication regarding a personal matter should be sent directly to the instructor via e-mail. No communications of a private or personal matter should be posted in the public spaces of the classroom.

Please use the **"Class Introductions"** forum to initiate and participate in conversations not directly related to the course. This is an excellent opportunity to get to know other students.

Course Navigation:
Please ensure that you navigate through the entire course, so you are aware of the location of course materials, email, gradebook, etc. It is your responsibility to ensure

your knowledge of the BlackBoard system. If you have any questions, please post in the "**Ask the Instructor Forum**," or you can contact NTCC's Tech Support.

Internet Connection Issues:
Since this course is delivered in an online format, please ensure that you have the proper computer and Internet set-up. There are no excuses for not submitting assignments due to technology issues – in other words, "my dog ate my computer" is not a valid excuse. If you have issues regarding connectivity, please contact NTCC's Tech Support for help. If you have issues with navigating through the BlackBoard system, please refer to the **"HELP"** tab to the left on the course screen. Information regarding technology requirements can be found under the "**Technical Requirements and Course Navigation"** in the "START HERE" folder. If you have problems with connectivity, please contact NTCC tech support.

Course Materials and Assignments:
Along with your textbook for this course, additional information can be obtained through websites and internet resources. You are expected to use the Internet for additional research to enhance your discussions and assignments. There are several types of assignments that will be required to be completed during this course:

Discussion Questions (DQs): You will have one DQ due each week that is worth 15 points. Grading is based on the DQ Rubric located in the "START HERE" folder on the main content page of the course. Please post your initial response by Day 3 (Wednesday), and your two peer responses and instructor response are due by Day 7 (Sunday). You must post on at least three separate days of the week to receive credit for participation. Minimum word count for initial posting is 50 words and minimum word count for peer responses is 25 words. Answers must be thought provoking or ask a question regarding the content of the post. I expect your posts to be researched, insightful, and add value to the discussion. Please note that I do grade on grammar, spelling, the use of citations and referencing, and punctuation as correct use of written communication is important. I have posted basic information for use of APA (preferred) formatting in the "START HERE" folder as well. If you are more comfortable using a different reference formatting such as MLA, that will be acceptable as well. **All posts need to include referenced/cited material.**

Chapter Assignments: Assigned Chapter Assignments are due by Day 7 at 11:59 pm each week.

******There are no make-ups for any activities or assignments and I do not accept late work unless prior arrangements have been made.**

Final Capstone Coding Exam: This exam will be administered the last week of class and will not be available before the last week of class. Additional information regarding the final will be posted the last week of class. **There is absolutely NO MAKE UP for the final exam.**

ADA Statement

It is the policy of Northeast Texas Community College to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to arrange an appointment with a college counselor to obtain a Request for Accommodations form. For more information, please refer to the Northeast Texas Community College Catalog or Student Handbook or you can contact the Coordinator of Special Populations at 903-434-8202, or visit the website: http://www.ntcc.edu/index.php?module=Pagesetter&func=viewpub&tid=111&pid=1

Tobacco Use

If you come to NTCC's campus, the use of tobacco products including smokeless tobacco, smoking tobacco, electronic cigarettes, and any legal smoking preparation is prohibited in all College buildings, enclosed facilities, inner campus, and college-owned vehicles.

Tobacco use is prohibited in:

1. All enclosed buildings and facilities, including but not limited to classrooms, offices, food service areas, lavatories and residence halls
2. All exterior areas in the inner campus and parking lots.
3. All college-owned vehicles.

Tobacco use is permitted in:

1. Personal vehicles
2. Designated smoking huts on the west side of campus.

Chapter Objectives

Chapter 1

1. Describe the background and rationale for the development of ICD-10-PCS.
2. List the seven characters that compose an ICD-10-PCS code.
3. Identify the 17 sections of ICD-10-PCS and distinguish between the Medical and Surgical, Medical and Surgical-Related, and Ancillary Sections.
4. Describe the body system and body part characters and how the two-character values relate to each other.
5. Define the meaning of the root operation and the nine subgroups of the root operations in the Medical and Surgical section.
6. List and define the seven different approach values used in ICD-10-PCS.
7. Describe the device character and the criteria for including a value for devices.

8. Discuss the use of the Device Key, Device Aggregation Table, and Substance Key found in the ICD-10-PCS system.
9. Discuss the use of the qualifier as the last character in the ICD-10-PCS code.
10. List the steps in code building in ICD-10-PCS, both in using the CMS file and code book method.
11. Build ICD-10-PCS codes for given procedures using the CMS file and code book method.

Chapter 2

1. Recognize the contents and use of the ICD-10-PCS Official Guidelines for Coding and Reporting.
2. List the Cooperating Parties who must approve the ICD-10-PCS guidelines.
3. Identify the 11 Guidelines in the Conventions section that address the characters of an ICD-10-PCS code, how an ICD-10-PCS code is built, use of the index, and applying the definitions to documentation.
4. List the two Medical and Surgical section guidelines for body system designating when codes from the general anatomical regions body system are used and the line of demarcation for upper and lower body systems.
5. Discuss guidelines specific to Medical and Surgical section root operations, general guidelines, multiple procedures, discontinued procedures, and other guidelines specific to certain root operations.
6. Identify the Medical and Surgical section guidelines specific to the body part character, including bilateral body part values, coronary arteries, and procedures performed on or around joints.
7. List the four Medical and Surgical section guidelines specific to approaches.
8. Discuss the Medical and Surgical section guidelines that relate to devices and the criteria for using a value for the device character.
9. Identify the two guidelines specific to the Obstetrics section.
10. List the guideline specific to section X, New Technology.
11. Discuss the guidelines for selection of the principal procedure.

Chapter 3

1. Recall the use of ICD-10-PCS for coding inpatient procedures and the use of codes from the Medical and Surgical section for these procedures.
2. Identify the meaning of the seven characters in the Medical and Surgical section.
3. Describe the definition of the root operation and how the root operation is determined from analyzing clinical documentation.
4. List the root operations group 1 that take out some or all of a body part.
5. State the definition of the root operations Excision, Resection, Detachment, Destruction, and Extraction.
6. Distinguish between the root operations Excision and Resection.
7. Distinguish between body part values that are generally considered as body parts and those that are subdivided within the ICD-10-PCS system.

8. Define the qualifier values that are used in the root operation Detachment for the specific portion of the body part that is amputated.
9. List the root operations in group 2 that take out solids/fluids/gases from a body part.
10. State the definition of the root operations Drainage, Extirpation, and Fragmentation.
11. List the two general types of solid matter that are involved in Extirpation and Fragmentation procedures.
12. Describe the use of the qualifier value X to describe a diagnostic procedure/biopsy for the Excision, Extraction, and Drainage root operations.

Chapter 4

1. List the root operations in the group 3 that involve cutting or separation only.
2. State the definition of the root operations Division and Release.
3. Distinguish between the two root operations Division and Release.
4. List the root operations in group 4 that put in/put back or move some or all a body part.
5. State the definition of the root operations Transplantation, Reattachment, Transfer, and Reposition.
6. List some of the complex organs that are currently transplanted.
7. Identify the correct coding of cornea, blood marrow, and pancreatic cell transplants.
8. Define the three qualifiers available for Transplantation procedures.
9. Describe Reattachment procedures and the restoration or non-restoration of the blood and nerve supply to the reattached body part.
10. Discuss the criteria for the use of the Transfer root operation and qualifiers for multi-layer Transfer procedures as stated in Coding Guideline B3.17.
11. Identify the types of procedures classified as Reposition root operations.
12. Discuss when Reposition is used for displaced fracture replacement and the correct coding of nondisplaced fractures.

Chapter 5

1. List the root operations in the group 5 that alter the diameter or route of a tubular body part.
2. State the definition of the root operations Restriction, Occlusion, Dilation, and Bypass.
3. Distinguish between the two root operations Restriction and Occlusion.
4. Discuss the designation of the body part value for number of coronary arteries in the Dilation and Bypass root operations.
5. Identify how Dilation procedures with multiple device values are coded in ICD-10-PCS.
6. Distinguish between the proper coding of non-coronary artery and coronary artery bypass procedure coding.
7. List the root operations in group 6 that always involve a device.
8. State the definition of the root operations Insertion, Removal, Revision, Replacement, Supplement, and Change.

9. Distinguish between the root operations Removal, Revision, and Change.

Chapter 6

1. List the root operations in the groups that involve examination only.
2. State the definitions of the root operations Inspection and Map.
3. Describe the guidelines applicable for coding Inspections of overlapping layers of the musculoskeletal system and multiple tubular body parts.
4. Identify the correct coding for procedures that are discontinued before any other root operation can be performed.
5. Discuss the coding of Inspection along with another root operation performed on the same body part using a different approach.
6. List the two body systems that include the root operation Map.
7. Identify the four body systems that are applicable to Control procedures and discuss the definition of this root operation.\
8. Describe the root operation Repair and its use as the NEC root operation.
9. Identify the two body systems that are applicable to Fusion procedures.
10. Indicate the device value used for Fusion procedures that include a combination of devices.
11. Describe the use of the Alteration root operation versus other root operations in the Medical and Surgical section.
12. Discuss the use of the Creation codes for gender reassignment and some heart procedures.

Chapter 7

1. Discuss the three anatomical body system values in ICD-10-PCS; General, Upper Extremities, and Lower Extremities.
2. Review the components of the General Anatomical Regions and discuss when these codes are used.
3. Identify the area that divides the upper and lower extremities.
4. Discuss the components of the Upper and Lower Extremity region in relation to Detachment and Reattachment procedures.
5. Describe the use of the root operation Control in the Anatomical Regions and Ear, Nose and Sinus body systems.
6. Discuss the other applicable root operations for general regions and the upper and lower extremities, including Detachment, Division, Alteration, and Creation.
7. Review the procedure used to locate values for body parts that do not have their own body part values.
8. List the six applicable approaches used in the anatomical regions general and the four applicable approaches for the upper and lower extremities regions.
9. Recognize the applicable device values for the anatomical regions.
10. Discuss the use of qualifier values for Bypass in the general regions and Detachment in the upper and lower extremities regions.

Chapter 8

1. List the basic components and functions of the nervous system, central nervous system, and peripheral nervous system.
2. Review the anatomy of the central nervous system including the spaces around the brain, basal ganglia, and the cranial nerves.
3. Review the anatomy of the peripheral nervous system, including the somatic and autonomic nerve.
4. Discuss the 22 applicable root operations for the central nervous system.
5. Discuss the 17 applicable root operations for the peripheral nervous system.
6. Identify the use of the body part value Y in the peripheral nervous system.
7. Review the procedure used to locate values for body parts that do not have their own body part values.
8. List the four applicable approaches used in the central and peripheral nervous system.
9. Recognize the applicable device values for the central and peripheral nervous system, including Radioactive element, Cesium-131 Collagen Implant.
10. Discuss the use of qualifier values for Bypass and Transfer root operations.
11. Identify the meaning of qualifier value B in the central nervous system for cerebral cisterns.

Chapter 9

1. Describe the function of the eyes, ears, and nose in processing sensory information.
2. Review the anatomy of ocular system, ear, nose, and sinuses.
3. Discuss the common root operations used in coding procedures performed on the sense organs.
4. Review the procedure used to locate values for body parts that do not have their own body part values.
5. List the applicable approaches used in the eye and ear, nose, and sinus and the one approach used only in the ear nose and sinus body system.
6. Recognize the applicable device values for the sense organs.
7. Discuss the use of qualifier values for Bypass procedures in the eye and ear, nose, and sinus.

Chapter 10

1. List the basic components and functions of the respiratory system, mouth and throat.
2. Review the anatomy of the mouth and throat and respiratory systems.
3. Discuss the applicable root operations for the mouth and throat and respiratory systems.

4. Describe the body part values available in the respiratory system and their use in Excision and Resection procedures.
5. Review the procedure used to locate values for body parts that do not have their own body part values.
6. List the six applicable approaches used in the mouth and throat and respiratory systems.
7. Discuss the use of the External approach for structures visualized through the open mouth.
8. Recognize the applicable device values for the mouth and throat and respiratory systems.
9. Discuss the use of qualifier values for procedures on the teeth and by Bypass and Replacement root operations.

Chapter 11

1. List the basic functions and organization of the circulatory system.
2. Review the anatomy of the heart and great vessels, upper and lower arteries, and upper and lower veins.
3. Discuss the common root operations used in the circulatory system.
4. Describe the body part values available in the circulatory system and the special circumstances for the coronary arteries.
5. Review the procedure used to locate values for body parts that do not have their own body part values.
6. List the approaches used in the circulatory system.
7. Describe the device values common to the circulatory system.
8. Explain the unique circumstances involved in coding coronary bypass procedures.
9. Discuss the use of qualifier values for procedures in the circulatory system.

Chapter 12

1. List the basic functions and organization of the gastrointestinal and hepatobiliary systems.
2. Review the anatomy of the gastrointestinal and hepatobiliary systems.
3. Discuss the common root operations used in the gastrointestinal and hepatobiliary systems.
4. Describe the body part values available in the gastrointestinal and hepatobiliary systems including the general body part values for upper and lower intestinal tract for selected root operations.
5. Review the procedure used to locate values for body parts that do not have their own body part values.
6. List the six applicable approaches used in the gastrointestinal and hepatobiliary systems, including approach F in the gastrointestinal Excision and Resection tables.
7. Describe the device values common to the gastrointestinal and hepatobiliary systems.

8. Discuss the use of qualifier values for procedures in gastrointestinal and hepatobiliary systems.

Chapter 13

1. List the basic functions and organization of the Endocrine and Lymphatic systems.
2. Review the anatomy of the Endocrine and Lymphatic systems.
3. Describe some of the hormone-secreting organs that are found outside the Endocrine body system.
4. Discuss the common root operations used in the Endocrine and Lymphatic systems.
5. Identify that the difference between the Endocrine and Lymphatic systems is that the lymphatic system has tubular body parts while the endocrine system does not.
6. Describe the body part values available in the Endocrine and Lymphatic systems including the general body part values for Lymph and Bone Marrow for selected root operations.
7. Review the procedure used to locate values for body parts that do not have their own body part values.
8. List the applicable approaches used in the Endocrine and Lymphatic systems.
9. Describe the device values available in the Endocrine and Lymphatic systems.
10. Discuss the use of qualifier values for procedures in Endocrine and Lymphatic systems.

Chapter 14

1. List the basic functions and organization of the integumentary system.
2. Review the anatomy of the integumentary system, including the layers of the skin, the portions of the breast, and parts of the nails.
3. Discuss the common root operations used in the integumentary system.
4. Describe the body part values available in the circulatory integumentary system and the coding guidelines specific to procedures performed on skin, subcutaneous tissue and fascia overlying a joint, and overlapping layers of the musculoskeletal system.
5. Review the procedure used to locate values for body parts that do not have their own body part values.
6. List the applicable approaches used in the integumentary system.
7. Describe the device values common to the integumentary system and some devices that can be totally implanted in subcutaneous pockets.
8. Discuss the use of qualifier values for procedures in the integumentary system, including those for skin graft Replacement and Transfer procedures.

Chapter 15

1. List the basic functions of the Muscular system.

2. Describe the organization of the Muscular system, including muscles, tendons, bursae, and ligaments.
3. Review the anatomy of the Muscular system.
4. Discuss the common root operations used in the Muscular system, including the operations on the tendons, muscles, and bursa.
5. Describe the body part values available in the Muscular system and the coding guidelines for procedures performed on tendons, ligaments, bursae, and fascia versus the joint structures.
6. Review the procedure used to locate values for body parts that do not have their own body part values.
7. List the four available approaches used for the muscles, tendons, bursae, and ligaments.
8. Describe the limited use of device values in the muscles, tendons, bursae, and ligaments.
9. Discuss the use of qualifier values for Transfer procedures of the muscles.

Chapter 16

1. List the basic functions of the bones and joints.
2. Describe the organization of the skeletal system and types of bones and bone markings found in the body.
3. Review the anatomy of the skeletal system including the unique classification method used in ICD-10-PCS for bones and joints.
4. Describe the specific naming convention for vertebral bones.
5. Discuss the types and functions of joints.
6. Discuss the common root operations used in the skeletal system, including the operations on the bones and joints.
7. Describe the body part values available for the bones and joints and the coding guideline for procedures performed on a portion of a body part.
8. Review the procedure used to locate values for body parts that do not have their own body part values.
9. Describe the body part values for combinations of vertebrae.
10. List the four available approaches used for the bones and joints.
11. Describe the use of device values in the bones and joints including internal and external fixation devices.
12. Identify the device value chosen for spinal fusion procedures that use more than one device.
13. Describe the three qualifiers for the specific anatomical approach in spinal fusion surgery.
14. Discuss the use of qualifier and device values for multiple vertebral joints using a different device or qualifier.

Chapter 17

List the basic functions of the Urinary system.

2. Describe the organization of the Urinary system and its major organs.
3. Review the anatomy of the Urinary system, including the portions involved in urine formation and excretion.
4. Discuss the common root operations used in the urinary system including those performed on tubular body parts.
5. Describe the body part values available for the urinary system and the coding guideline for procedures performed on a multiple body parts, bilateral body parts, and “peri” body parts.
6. Review the procedure used to locate values for body parts that do not have their own body part values.
7. List the approaches used for the Urinary system, including those through the skin or via the natural opening.
8. Describe the use of device values in the Urinary system including those for neurostimulators and artificial sphincters.
9. Discuss the use of qualifier for the Urinary system, including those for kidney transplants and bypass procedures.

Chapter 18

1. List the basic functions of the Male Reproductive system.
2. Describe the organization of the Male Reproductive system and its major organs.
3. Review the anatomy of the Male Reproductive system.
4. Discuss the common root operations used in the Male Reproductive system including those performed on the prostate using a variety of methods.
5. Describe the body part values available for the Male Reproductive system and the classification of the urethra in the urinary body system.
6. Review the procedure used to locate values for body parts that do not have their own body part values.
7. List the approaches used for the urinary Male Reproductive system, including open and endoscopic prostate procedures.
8. Describe the use of device values in the Male Reproductive system, including those for tubular body parts.
9. Discuss the use of qualifiers for the Male Reproductive system bypass and transfer procedures.

Chapter 19

1. List the basic functions of the Female Reproductive system.
2. Describe the organization of the Female Reproductive and its major organs.
3. Review the anatomy of the Female Reproductive system including the portions involved in urine and excretion.
4. Discuss the common root operations used in the Female Reproductive system, including those performed on the cervix and vagina.
5. Describe the body part values available for the Female Reproductive system and the total number of codes required for a total abdominal hysterectomy with salpingo-oophorectomy (TAH-BSO).

6. Review the procedure used to locate values for body parts that do not have their own body part values.
7. List the approaches used for the Female Reproductive system, including F, Via Natural or Artificial Opening with Percutaneous Endoscopic Assistance.
8. Describe the use of device values in the Female Reproductive system including value G for Intraluminal Device, Pessary.
9. Discuss the use of qualifiers for the Female Reproductive system, including the source of transplanted ovary (or ovaries) and supracervical for resection of the uterus.

Chapter 20

1. List the components of the products of conception (POC).
2. Describe the relationship of the POC to the female reproductive organs.
3. Discuss the circumstances of ectopic pregnancy and retained POC.
4. Describe the two root operations that are unique to the Obstetrics section: Abortion and Delivery.
5. Discuss the different methods of performing an abortion and the code values associated with the methods.
6. Identify the correct procedure for coding multiple gestation deliveries.
7. Discuss other root operations common to the Obstetrics section.
8. Describe the three available body part values for Obstetrics: POC; POC, retained; and POC, ectopic.
9. Discuss coding Obstetrics procedures directly from the code tables versus using the Index.
10. List the approaches used for the Obstetrics system and the root operations most commonly associated with the approaches.
11. List the three device values available in the Obstetrics section.
12. Discuss the use of qualifiers for the Obstetrics section, including the incision type for cesarean delivery, method of forceps, manual extraction of retained products of conception and procedures performed on the fetus.

Chapter 21

1. List types of procedures coded in the Placement, Administration, and Measurement and Monitoring sections.
2. Describe the character definitions for each of the sections, including those that differ from the Medical and Surgical section.
3. Identify the seven root operations used in the Placement section, including the two that are used in the Medical and Surgical section.
4. Discuss the variety of device values that are available for the Placement section and identify the section that device fitting is coded from.
5. List the three root operations for the Administration section and give examples of each root operation.
6. Discuss character 6 in the Administration section for substance and give examples of types of substances administered.

7. Distinguish between the root operations Measurement and Monitoring in this section and give examples of each root operation.
8. Discuss the approach and qualifier character values for the Placement, Administration, and Measurement and Monitoring sections.

Chapter 22

1. List types of procedures coded in the Extracorporeal or Systemic Assistance and Performance and Extracorporeal or Systemic Therapies sections.
2. Describe the character definitions for both of the sections, including those that differ from the Medical and Surgical section.
3. Identify the three root operations used in the Extracorporeal or Systemic Assistance and Performance section, distinguishing between Assistance and Performance and the use of Restoration in cardioversion.
4. Discuss the duration values used in the Extracorporeal or Systemic Assistance and Performance section including the three possibilities for mechanical ventilation and urinary filtration duration values.
5. Discuss the meaning of the qualifiers used in the Extracorporeal or Systemic Assistance and Performance section and the methods or devices used to accomplish assistance or performance.
6. List the 11 root operations for the Extracorporeal or Systemic Therapies section, including Perfusion.
7. Discuss the values for the body systems, duration, and 6th and 7th character qualifier values in the Extracorporeal or Systemic Therapies section.

Chapter 23

1. List types of procedures coded in the Osteopathic, Other Procedures, and Chiropractic Sections.
2. Describe the character definitions for each of the sections, including those that differ from the Medical and Surgical section.
3. Identify the single root operations used in the Osteopathic section, Treatment.
4. Describe the method values for Osteopathic procedures.
5. List the two body systems available in the Other Procedures section.
6. Discuss the method values for the Other Procedures section.
7. Distinguish between ICD-10-PCS codes for computer assisted and robotic assisted and the primary procedure.
8. List the definition of the sole root operation for Chiropractic procedures, Manipulation.
9. Describe the method values for Chiropractic procedures.

Chapter 24

List types of procedures coded in the Imaging, Nuclear Medicine, and Radiation Therapy sections.

2. Describe the character definitions for each of the sections, including those that differ from the Medical and Surgical section.
3. List and describe the root types for the Imaging section.
4. Describe the types of contrast values available in the Imaging section.
5. Discuss the two qualifier values in the Imaging section.
6. Distinguish between diagnostic and therapeutic Nuclear Medicine.
7. Discuss the root types in the Nuclear Medicine section.
8. Identify the action of the radionuclides in Nuclear Medicine procedures.
9. List the four modalities in the Radiation Therapy section and describe the modality qualifiers.
10. Describe the use of the Intraoperative qualifier in Radiation.

Chapter 25

1. List types of procedures coded in the Physical Rehabilitation and Diagnostic Audiology, Mental Health, Substance Abuse Treatment, and New Technology sections.
2. Describe the character definitions for each of the sections, including those that differ from the Medical and Surgical section.
3. List and describe the root types for the Physical Rehabilitation and Diagnostic Audiology section.
4. Distinguish between device fitting, coded in the Physical Rehabilitation section, and device placement, coded in the Placement section.
5. Describe the subdivisions of body system/region in the Physical Rehabilitation section.
6. Discuss the type qualifiers and equipment common to the Physical Rehabilitation and Diagnostic Audiology section.
7. List and describe the root types for the Mental Health section.
8. Describe type qualifiers used in the Mental Health section.
9. List and describe the root types for the Substance Abuse Treatment section.
10. Describe type qualifiers used in the Substance Abuse Treatment section.
11. Identify the last three-character values for all Mental Health and Substance Abuse Treatment codes.
12. Identify the characteristics of the New Technology section and codes.