



HEALTH INFORMATION TECHNOLOGY

CODE: HIT 200

TITLE: ICD-9-CM Coding

DIVISION: Science Math and Technology

COURSE DESCRIPTION: This course focuses on disease and procedural coding with major emphasis on the International Classification of Diseases 9th Edition, Clinical Modification (ICD-9-CM). It covers DRG's and the prospective payment system for reimbursement; coding principles; conventions; clinical and technical guidelines; maintenance and referencing resources. It also emphasizes the review of medical records to identify diagnoses treated, procedures and/or services performed, and correct sequencing for optimal reimbursement. It uses a computerized grouping system.

PREREQUISITES: BIO 114, BIO 115, CIS 118, HIT 115, HIT 116

CREDITS: 4

REQUIRED TEXT(S):

1. **International Classification of Diseases, 9th edition, Clinical Modification (ICD-9-CM)**

ICD-9-CM published by Channel Publishing is recommended. However, there are several different publishers of the ICD-9-CM. Students may use a code book from any of the publishers provided the criteria listed below are met:

- ✓ include all three volumes: diagnosis index, diagnosis tabular, and procedure tabular and index.
- ✓ include October updates
- ✓ include Coding Clinic Notes
- ✓ be annotated

2. **ICD-9 Coding Handbook** (with answers)

F. Brown, Current revision, American Hospital Association, Chicago, IL

3. **ICD-9-CM Workbook for Beginning Coders**

J. R. Ashton, RHIA, MS with technical review by Faye Brown, current revision, American Hospital Association, Chicago, IL

REFERENCES:

- ❖ Journal of the American Health Information Management Association, AHIMA, Chicago, IL (published monthly)
- ❖ Coding Clinic, American Hospital Association, Chicago, IL (published quarterly)
- ❖ The Merck Manual of Diagnosis and Therapy Merck Research Laboratories, Whitehouse Station, NJ
- ❖ Health Information: Management of a Strategic Resource, Abdelhak, W.B. Saunders Company.

COMPUTER REQUIREMENTS

Students should have a working knowledge of computers and the internet. Each student must have access to the following in order to access all of the course content:

- Microsoft Word
- Microsoft Power Point
- Java (TM) 2 Platform
- Internet Access
- Adobe Acrobat

INTENDED COURSE LEARNING OUTCOMES/COURSE GOALS/CORE COMPETENCIES:

At the conclusion of this course, the student should be able to perform the following course competencies and functions:

1. State the purpose of classification and coding systems
2. Define coding classification terminology and coding conventions that relate to DRG (diagnosis related groups) assignment and reimbursement.
3. Identify the basic characteristics, conventions and principles of the ICD-9-CM coding system.
4. Assign ICD-9-CM codes for diseases, conditions, operations and nonsurgical procedures.
5. Abstract, code and sequence diagnostic information from health records.
6. Apply principles of pharmacology to assigned coding cases.

AHIMA Domains, Sub Domains, and Tasks

I. Domain: Health Data Management

A. Subdomain: Health Data Structure, Content and Standards

2. Conduct analysis to ensure documentation in the health record supports the diagnosis and reflects the patient’s progress, clinical findings, and discharge status.

3. Apply policies and procedures to ensure the accuracy of health data.

4. Contribute to the definitions for and apply clinical vocabularies and terminologies used in the organization’s health information systems.

5. Verify timeliness, completeness, accuracy, and appropriateness of data and data sources for patient care, management, billing reports, registries, and/or databases.

C. Subdomain: Clinical Classification Systems

2. Apply diagnosis/procedure codes using ICD-9-CM.

5. Adhere to current regulations and established guidelines in code assignment.

6. Validate coding accuracy using clinical information found in the health record.

8. Resolve discrepancies between coded data and supporting documentation.

6/23/2004 Education Strategy Committee

GRADE RANGE:

90 – 100	A
87 - 89	B+
80 - 86	B
77 - 79	C+
70 – 76	C
60 – 69	D*
</= 59	F*

* In order to be eligible for graduation, a passing grade of “C” or better is required in this course. HIT students with a final grade of D or F may repeat this course **one (1) time only**, and **may not** progress to higher level program courses until a passing grade of “C” or better has been achieved. Failure to achieve a passing grade [second time the course is taken] will result in dismissal from the program. *See HIT Student Handbook.*

GRADING FORMAT:

Your grade will be based on a point system. Each quiz, assignment and the midterm and final exam are worth the stated points.

Quizzes	139 points
Midterm	50 points
Final	50 points
Assignments	<u>140</u>
Total	379

Point Range	Grade
342 - 379	90 – 100% A
330 - 341	87– 89.99% B+
303 - 329	80 – 86.99% B
292 - 302	77 – 79.99% C+
265 - 291	70 – 76.99% C
228 - 264	60 – 69% D*
0 - 227	</= 59% F*

EVALUATION METHOD:

I. Quizzes - 8 quizzes = 139 points

There will be a quiz each week consisting of 5 multiple choice and 5 case scenario questions pertaining to that week’s material. No quiz will be given during week 7 or week 14. Those weeks the chapter in question will be included

in the midterm and final exams.

All quizzes will be taken on line. Any late submission of a quiz without prior notification to the instructor (and approval by instructor) will result in a zero. Quizzes will be timed. Each quiz will show the length of time for that quiz. Lengths of time will vary depending on the types of questions asked and their difficulty.

REMEMBER ONCE YOU ACCESS A QUIZ, YOU MUST TAKE IT. YOU CAN ONLY ACCESS A QUIZ ONE TIME.

II. Midterm Examination = 50 points

The midterm examination will include all chapter covered up to the mid semester point. It will be comprised of 50 points consisting of multiple-choice, fill-in-the-blanks or matching and chart coding, or case scenarios, including diagnoses and procedure codes.

Students will apply learned knowledge of book format, conventions, and coding guidelines for appropriate code assignment.

*The midterm will be given on-line. It will be timed. **I strongly recommend that you take it in an area where you will not be interrupted. You may utilize the Parker 313 HIT Lab during open lab times.***

III. Final Examination = 50 points

The final exam will be cumulative and it will be comprised of 50 points consisting of multiple choice, fill in the blanks or matching and chart coding, or case scenarios, including diagnoses and procedure codes.

Students will apply learned knowledge of book format, conventions, and coding guidelines for appropriate code assignment.

*The final exam will be given on-line. It will be timed. **I strongly recommend that you take it in an area where you will not be interrupted. You may utilize the Parker 313 HIT Lab during open lab times.***

IV. Assignments – 14 assignments = 140 points

All of your assignments are to be completed by utilizing a word processing program. Assignments will be found under the separate heading “Assignments” for each week. Send answers to be graded via private e-mail. You do not need to include the question with the answer, but be certain to number the answers appropriately. Assignments must be submitted on time as scheduled by instructor. Late assignments will not be accepted.

Weekly Assignments will consist of:

A. Chart Coding Exercises-students will use the Workbook for Beginning Coders to code scenarios specified in each week's course content page.

B. Other assignments-will be specified in each week's course content page.

Course Content

ICD-9-CM Coding Handbooks

- Format and Conventions and Current Coding Practices for ICD-9-CM
- Use of Supplementary Classifications
- Coding of Signs and Symptoms
- Coding of Infectious and Parasitic Diseases, Endocrine Diseases and Immunity Disorders, and Mental Disorders
- Coding of Diseases of the Blood and Blood-Forming Organs and Diseases of the Nervous System
- Coding Diseases of the Respiratory, Digestive, and Genitourinary Systems
- Coding of Diseases of the Skin and Diseases of the Musculoskeletal System
- Coding of Pregnancy and Childbirth Complications, Abortion, Congenital Anomalies, and Perinatal Conditions
- Coding of Circulatory System Diseases and Neoplastic Diseases
- Coding of Injuries, Burns, Poisoning, and Complications of Care
- ICD-10-CM Preview
- ICD-10-PCS Preview

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