

# HIM-2160: CODING WITH ICD-10-CM

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## Cuyahoga Community College

**Viewing: HIM-2160 : Coding with ICD-10-CM**

**Board of Trustees:**

March 2021

**Academic Term:**

Fall 2021

**Subject Code**

HIM - Health Information Management

**Course Number:**

2160

**Title:**

Coding with ICD-10-CM

**Catalog Description:**

Principles, theories, concepts and applications required to code diseases and procedures using the International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Classification System.

**Credit Hour(s):**

2

**Lecture Hour(s):**

1

**Lab Hour(s):**

3

## Requisites

**Prerequisite and Corequisite**

BIO-2341 Anatomy and Physiology II, and HIM-1301 Introduction to Health Information Management and departmental approval: Program Manager approval.

## Outcomes

**Course Outcome(s):**

Articulate the recent evolution of diagnostic coding in health care.

**Essential Learning Outcome Mapping:**

Not Applicable: No Essential Learning Outcomes mapped. This course does not require application-level assignments that demonstrate mastery in any of the Essential Learning Outcomes.

**Objective(s):**

1. Discuss the history of the development of clinical vocabularies.
2. Explain the standards mandated by the Health Insurance Portability and Accountability Act of 1996 (HIPAA).
3. Explain the Health Insurance Portability and Accountability Act (HIPAA) Electronic Transactions and Coding Standards Rule.
4. Discuss the Medicare Prescription Drug, Improvement, and Modernization Act of 2003
5. Explain the purpose of the Coordination and Maintenance Committee

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**Course Outcome(s):**

Validate the principles of ICD-10-CM coding.

**Essential Learning Outcome Mapping:**

Not Applicable: No Essential Learning Outcomes mapped. This course does not require application-level assignments that demonstrate mastery in any of the Essential Learning Outcomes.

**Objective(s):**

1. Describe the format of the Tabular List of Diseases and Injuries
  2. Identify the chapters and subchapters or blocks used in ICD-10-CM
  3. Identify and define the sub-terms, carryover lines, nonessential modifiers, and eponyms used in ICD-10-CM
  4. Recognize the contents of the ICD-10-CM Appendices
  5. Explain the format of the Alphabetic Index to Diseases found in ICD-10-CM
  6. Identify and define the cross-reference terms and instructional notes used in ICD-10-CM
  7. Describe the rules for multiple coding
  8. Explain how connecting words are used in the Alphabetic Index
  9. Apply the symbols, punctuation, and abbreviations used in ICD-10-CM
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**Course Outcome(s):**

Evaluate and assign appropriate diagnosis codes from the current ICD-10-CM code set

**Essential Learning Outcome Mapping:**

Not Applicable: No Essential Learning Outcomes mapped. This course does not require application-level assignments that demonstrate mastery in any of the Essential Learning Outcomes.

**Objective(s):**

1. Describe the medical documentation that must be present to select an ICD-10-CM code
  2. Describe coding conventions for ICD-10-CM
  3. Identify etiology and manifestation conventions
  4. Identify cross-references and other terms used in ICD-10-CM
  5. Describe general coding guidelines
  6. Apply multiple coding for a single condition
  7. Understand and apply basic steps in selecting appropriate ICD-10-CM coding.
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**Course Outcome(s):**

Apply the ICD-10-CM Official Guidelines for Coding and Reporting when coding diagnoses for outpatient services.

**Essential Learning Outcome Mapping:**

Not Applicable: No Essential Learning Outcomes mapped. This course does not require application-level assignments that demonstrate mastery in any of the Essential Learning Outcomes.

**Objective(s):**

1. Determine and select the appropriate conventions used in ICD-10-CM
  2. Identify and define Carryover Lines
  3. Identify and define Nonessential Modifiers
  4. Identify and define an Eponym
  5. Identify and appropriately apply "see" and "see also" instructions
  6. Understand and apply "Code Also" notations
  7. Understand and apply abbreviations
    - a. NEC: not elsewhere classified
    - b. NOS: not otherwise specified
  8. Understand and apply punctuation
    - a. Brackets [ ]
    - b. Parentheses ( )
    - c. Colon :
  9. Identify and apply instructional notes
  10. Identify and apply "Includes" and "Excludes" notations
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**Course Outcome(s):**

Identify and apply chapter specific coding guidelines

**Essential Learning Outcome Mapping:**

Not Applicable: No Essential Learning Outcomes mapped. This course does not require application-level assignments that demonstrate mastery in any of the Essential Learning Outcomes.

**Objective(s):**

1. Apply chapter specific coding guidelines for all chapters and body systems listed in the ICD-10-CM coding book.
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**Methods of Evaluation:**

1. Homework assignments
  - a. Identifying correct ICD-10-CM diagnosis codes
2. Quizzes
3. Tests
4. Midterm examination
5. Final examination
6. Student participation and interaction

**Course Content Outline:**

1. Introduction to coding and coding professions
  - a. History of the development of clinical vocabularies
  - b. Coding professions
  - c. Health insurance portability and accountability act of 1996 (HIPAA) standards
2. An overview of ICD-10-CM
  - a. Chapters
    - i. Titles
    - ii. Correspond codes
  - b. ICD-10-clinical modification conventions
  - c. Medical record as a source document
3. Conventions used in ICD-10-CM
  - a. Description of conventions
  - b. Abbreviations
    - i. NOS
    - ii. NEC
  - c. Symbols
  - d. Instructional notes
  - e. Type 1 and type 2 excludes notes
4. Steps in diagnostic code selection
  - a. Required medical documentation to select an ICD-10-CM code
  - b. Steps to select diagnostic codes based on ICD-10-CM Official guidelines for coding and reporting
  - c. Main terms that are referenced in the alphabetic index of ICD-10-CM
  - d. Steps in coding
  - e. Key terms in diagnostic code selection
    - i. granularity
    - ii. laterality
5. Diagnostic coding guidelines
  - a. Cooperating parties for ICD-10-CM
  - b. Purpose of the ICD-10-CM official guidelines for coding and reporting
  - c. Four sections of the ICD-10-CM official guidelines for coding and reporting
  - d. Guidelines for inpatient versus outpatient and physician office visits
  - e. Guidelines for sequencing and diagnostic codes
    - i. Selection of principal diagnosis
    - ii. Reporting additional diagnoses
  - f. Key terms related to diagnostic coding guidelines
    - i. Combination code
    - ii. Late effect
    - iii. Principal diagnosis
    - iv. Secondary diagnosis
6. Infectious and parasitic diseases
  - a. Key terms in the infectious and parasitic diseases section
  - b. Differentiating between infectious and parasitic diseases
  - c. Single-code, combination-code, and dual-code assignment

- d. Coding of symptomatic and asymptomatic causes of HIV
- e. Types of hepatitis and the code for each
- f. Infectious and parasitic disease codes using the ICD-10-CM system
- g. Case studies
7. Neoplasms
  - a. Groups of neoplasms classified in ICD-10-CM
  - b. Coding guidelines that relate to neoplasms
  - c. Comparison of the ICD-9-CM and the ICD-10-CM code systems
  - d. Key terms related to neoplasms
  - e. Case studies
8. Diseases of the blood and blood-forming organs
  - a. Three types of blood cells
  - b. Diseases of the blood and blood-forming organs
  - c. Codes for diseases of the blood and blood-forming organs
  - d. Case studies
9. Endocrine, nutritional, and metabolic diseases
  - a. Influence of hormones on functions within the body
  - b. Different types of diabetes
  - c. Selecting ICD-10-CM codes for the various types of diabetes
  - d. ICD-10-CM coding guidelines for diabetes and endocrine, nutritional and metabolic diseases
  - e. Case studies
10. Mental and behavioral disorders
  - a. Mental health disorders and conditions and key terms related to these disorders
  - b. Sequencing of codes for drug and alcohol abuse and dependence
  - c. Coding for this specialty vs. coding from the other specialties
  - d. Challenges of coding for this specialty
  - e. Comparison of the ICD-9-CM and the ICD-10-CM coding systems for these disorders
  - f. Case studies
11. Diseases of the nervous system
  - a. Major structures of the nervous system
  - b. Conditions that involve the nervous system
  - c. Case studies
12. Disorders of the eye and adnexa
  - a. Major structures of the eye and adnexa
  - b. Disorders that impact the eye and adnexa
  - c. Coding disorders of the eye and adnexa
  - d. Case studies
13. Diseases of the ear and mastoid process
  - a. Major structures of the ear and mastoid process
  - b. Anatomy of the ear
  - c. Coding disorders of the ear and mastoid process
  - d. Case studies
14. Diseases of the circulatory system
  - a. Diseases of the circulatory system
  - b. ICD-10-CM guidelines for diseases of the circulatory system
  - c. Types of hypertension and the codes for each
  - d. Coding diseases of the circulatory system
  - e. Key terms related to the circulatory system
  - f. Case studies
15. Diseases of the respiratory system
  - a. Major structures of the respiratory system
  - b. Diseases and conditions that impact the respiratory system
  - c. Terminology associated with the respiratory system
  - d. Coding guidelines for diseases of the respiratory system
  - e. Diagnostic codes for conditions and diseases of the respiratory system
  - f. Case studies
16. Diseases of the digestive system

- a. Anatomical structures of the digestive system
  - b. Conditions that are related to the digestive system
  - c. Coding related to the different conditions encountered in the digestive system
  - d. Diagnostic codes to diagnoses for the digestive system
  - e. Case studies
17. Diseases of the skin and subcutaneous tissue
- a. Layers of the skin
  - b. Conditions and diagnoses related to the skin and subcutaneous tissue
  - c. Coding diagnoses of diseases of the skin and subcutaneous tissue
  - d. Case studies
18. Diseases of the musculoskeletal system and connective tissue
- a. Identify the anatomical structures of the musculoskeletal system
  - b. Explain the conditions and disorders that affect the musculoskeletal system
  - c. Coding guidelines related to the conditions encountered in the musculoskeletal system
  - d. Coding guidelines for coding acute fractures versus aftercare
  - e. Case studies
19. Diseases of the genitourinary system
- a. Anatomical structures of the urinary system
  - b. Anatomical structures of the male and female genital tracts
  - c. Conditions related to the genitourinary system
  - d. Coding guidelines related to the conditions encountered in the genitourinary system
  - e. Case studies
20. Pregnancy, childbirth, and the puerperium
- a. Stages of pregnancy
  - b. Complications encountered during pregnancy and how they affect code assignment
  - c. Coding guidelines related to the coding of this section
  - d. Use of the final character indicating the code for a trimester of pregnancy
  - e. Different types of abortions and explain how the code assignments are affected
  - f. Case studies
21. Conditions originating in the perinatal period
- a. Perinatal conditions of the mother affecting the fetus or newborn
  - b. Conditions that may affect the fetus or newborn
  - c. Perinatal conditions
  - d. Case studies
22. Congenital malformations, deformations, and chromosomal abnormalities
- a. Difference between the terms congenital anomaly and deformity
  - b. Conditions related to this section
  - c. Congenital vs. acquired conditions
  - d. Case studies
23. Symptoms, signs, and abnormal clinical laboratory findings
- a. Terms used in locating codes for symptoms, signs, and ill-defined conditions
  - b. Coding guidelines that relate to "Symptoms, Signs, and Abnormal Clinical Laboratory Findings Not Elsewhere Classified"
  - c. Code signs, symptoms, and ill-defined conditions from cases studies
24. Injury, poisoning, and certain other consequences of external causes
- a. Combination codes for injuries
  - b. Various types of fractures
  - c. Abrasions, contusions, and superficial and complex injuries
  - d. Types of open wounds
  - e. Coding guidelines that relate to injuries and poisoning
  - f. Case studies
25. External causes of morbidity
- a. What "external cause" means and when it is appropriately assigned
  - b. Sequencing of the V, W, X and Y codes
  - c. Case studies
26. Factors influencing health status and contact with health services
- a. Purpose of Z codes and identify key terms used to locate Z codes
  - b. Encounters for which Z codes are used

- c. V codes in ICD-9-CM vs. Z codes in ICD-10-CM
- d. Case studies

## Resources

Lou Ann Schraffenberger, MBA, RHIA, CCS, CCS-P, FAHIMA. (2020) *Basic ICD-10-CM + ICD-10-PCS CODING*, Chicago: Ingenix.

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Nanette Sayles, . (2020) *Health Information Management Technology an Applied Approach*, Chicago: American Health Information Management Association.

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American Medical Association. (2021) *ICD-10-CM Official Code book*, Baltimore: American Medical Association.

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Mary Jo Bowie, MS, BS, RHIA. (2020) *Understanding ICD-10-CM and ICD-10-PCS: A Worktext*, Boston: Cengage.

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## Resources Other

1. *Journal of the AHIMA/American Health Information Management Association*, Chicago, IL: The Association, Monthly publication.
2. *3M Clinical Coding Encoder Software*
3. Internet searches for diagnostic conditions

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