



Lakeshore Technical College

10-530-197 ICD Diagnosis Coding

Course Outcome Summary

Course Information

Description	Prepares students to assign ICD diagnosis codes supported by medical documentation. Students apply instructional notations, conventions, rules, and official coding guidelines when assigning ICD diagnosis codes to case studies and actual medical record documentation.
Total Credits	3
Total Hours	63

Types of Instruction

Instruction Type	Credits/Hours
Laboratory	18 Hours
Lecture	45 Hours

Pre/Corequisites

Prerequisite	10-501-101 Medical Terminology
Pre/Corequisite	The anatomy and physiology course required by the college.
Corequisite	10-530-182 Human Disease for the Health Professions

Textbooks

ICD-10-CM/PCS Coding: Theory and Practice, 2021 Ed – Textbook by Lovaasen, ISBN: 9780323764148

2021 ICD-10-CM Hospital Professional Ed. By Elsevier, ISBN: 9780323762823 OR you can download the coding guidelines and coding books from this website to view electronically for free!

<https://www.cms.gov/medicare/icd-10/2021-icd-10-cm>

You will need to download the following files: 2021 Code Descriptions in Tabular Order; 2021 Code Tables and Index; 2021 Coding Guidelines.

Learner Supplies

Computer with high speed Internet Access- and a backup plan for uninterrupted internet access

Microsoft Word (or similar program)

Blackboard supported browser (examples: Google Chrome (preferred) or Internet Explorer)

Core Abilities

1. Apply learning

Criteria

- 1.1. Learner transfers academic knowledge and principles to life and work situations
- 1.2. Learner incorporates prior learning
- 1.3. Learner knows when to ask for help
- 1.4. Learner demonstrates appropriate safety precautions
- 1.5. Learner identifies the need for lifelong learning
- 1.6. Learner develops the ability to research beyond the required work
- 1.7. Learner demonstrates a curiosity for learning about cultures, norms, and practices

2. Communicate effectively

Criteria

- 2.1. Learner comprehends written materials
- 2.2. Learner writes clearly, concisely, and accurately
- 2.3. Learner adjusts communication style in order to meet the needs of others
- 2.4. Learner demonstrates active listening skills
- 2.5. Learner uses culturally appropriate verbal and non-verbal communication methods

3. Demonstrate critical thinking

Criteria

- 3.1. Learner determines issues that merit action
- 3.2. Learner takes initiative in the problem solving processes
- 3.3. Learner makes decisions considering alternatives and consequences
- 3.4. Learner refines action plans based on evaluation of feedback
- 3.5. Learner identifies interdependencies of world issues & events

4. Integrate technology

Criteria

- 4.1. Learner determines which tasks can be performed more efficiently by using technology
- 4.2. Learner uses technology to perform tasks more efficiently
- 4.3. Learner adapts to changing/emerging technology
- 4.4. Learner selects culturally appropriate technology/tools to communicate with diverse groups

5. Work cooperatively

Criteria

- 5.1. Learner contributes to a group with ideas, suggestions, and effort
- 5.2. Learner completes his/her share of tasks necessary to complete a project
- 5.3. Learner encourages team members by listening and responding appropriately to their contributions
- 5.4. Learner maintains self control
- 5.5. Learner resolves differences for the benefit of the team
- 5.6. Learner accepts constructive feedback
- 5.7. Learner effectively establishes rapport and builds situationally appropriate relationships

Program Outcomes

1. HIT - Apply data governance principles to ensure the quality of health data

Summative Assessment Strategies

- 1.1. WTCS TSA Scoring Guide
- 1.2. Capstone Project

Criteria

- 1.1. Collect and maintain health data
- 1.2. Apply policies and procedures to ensure accuracy, timeliness and completeness of health data in

- 1.3. accordance with current regulations and standards
Apply policies and procedures to the use, disclosure, and exchange of primary and secondary health data

2. HIT - Apply coding and reimbursement systems

Summative Assessment Strategies

- 2.1. WTCS TSA Scoring Guide

Criteria

- 2.1. Assign ICD diagnosis and procedure codes using current regulations and established guidelines
- 2.2. Assign CPT and HCPCS codes using current regulations and established guidelines
- 2.3. Initiate compliant physician queries to improve clinical documentation
- 2.4. Apply reimbursement systems for a variety of healthcare settings (e.g. MS-DRG, APC, RBRVS etc.)
- 2.5. Monitor coding and revenue cycle processes

3. HIT - Model professional behaviors and ethics

Summative Assessment Strategies

- 3.1. TSA Assessment Rubric

Criteria

- 3.1. Adhere to security, privacy, and confidentiality policies, laws and regulations in the execution of work processes
- 3.2. Apply and promote ethical standards of practice
- 3.3. Demonstrate reliability, dependability, and initiative

4. HIT - Apply informatics and analytics in data use

Summative Assessment Strategies

- 4.1. WTCS TSA Scoring Guide

Criteria

- 4.1. Utilize a variety of technology tools in the execution of work processes
- 4.2. Support implementation, use and maintenance of health information systems
- 4.3. Examine how information systems policies and procedures are used to protect and maintain electronic health data
- 4.4. Examine the design, integration and use of healthcare databases
- 4.5. Conduct data analytic activities, including retrieval, analysis, display and reporting of health data
- 4.6. Examine how informatics and analytics are utilized for operations, monitoring, and strategic management
- 4.7. Examine industry trends and future challenges associated with health informatics and data analytics

5. HIT - Apply organizational management techniques

Summative Assessment Strategies

- 5.1. WTCS TSA Scoring Guide

Criteria

- 5.1. Apply leadership fundamentals in a collaborative team environment
- 5.2. Contribute to supervisory management functions including but not limited to training, staffing, performance improvement, budgeting, strategic planning and project management
- 5.3. Conduct activities to ensure compliance with industry rules, regulations, legislation, accreditation, licensure, and certification standards
- 5.4. Assess coding and revenue cycle processes for efficiency, accuracy, and compliance with regulatory guidance and standards
- 5.5. Promote a culture of diversity through personal actions and by contributing to development of policies and programs

External Standards

Title 2018 AHIMA Health Information Management Associate Degree Curriculum Competencies

Target Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- II.3. Identify compliance requirements throughout the health information life cycle.
- III.2. Utilize technologies for health information management.
- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
- IV.2. Describe components of revenue cycle management and clinical documentation improvement.
- IV.3. Summarize regulatory requirements and reimbursement methodologies.
- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- IV.2. RM Evaluate revenue cycle processes.
- IV.3. RM Evaluate compliance with regulatory requirements and reimbursement methodologies
- V.2. Demonstrate compliance with external forces.
- V.4. Identify the impact of policy on health care.
- VI.7. Assess ethical standards of practice.

Title 2018 AHIMA Health Information Management Associate Degree Curriculum Competencies

Target Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
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- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
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- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- IV.2. RM Evaluate revenue cycle processes.
- IV.3. RM Evaluate compliance with regulatory requirements and reimbursement methodologies
- V.2. Demonstrate compliance with external forces.
- V.4. Identify the impact of policy on health care.
- VI.7. Assess ethical standards of practice.

Course Competencies

1. EXAMINE the ICD-10-CM classification system

Linked Core Abilities

- Apply learning
- Communicate effectively
- Demonstrate critical thinking
- Work cooperatively

Linked Program Outcomes

- HIT - Apply data governance principles to ensure the quality of health data
- HIT - Apply coding and reimbursement systems
- HIT - Model professional behaviors and ethics
- HIT - Apply informatics and analytics in data use
- HIT - Apply organizational management techniques

Linked External Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- II.3. Identify compliance requirements throughout the health information life cycle.
- IV.2. Describe components of revenue cycle management and clinical documentation improvement.
- IV.3. Summarize regulatory requirements and reimbursement methodologies.
- IV.2. RM Evaluate revenue cycle processes.
- IV.3. RM Evaluate compliance with regulatory requirements and reimbursement methodologies
- V.4. Identify the impact of policy on health care.
- VI.7. Assess ethical standards of practice.

Assessment Strategies

- 1.1. Oral, written or graphic assessment
- 1.2. Quiz
- 1.3. Computerized Test
- 1.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 1.1. you describe the history and evolution of the ICD-10-CM classification system
- 1.2. you describe the purpose and application of the ICD-10-CM classification system
- 1.3. you describe the purpose and application of the ICD-10-CM Official Guidelines for Coding and Reporting
- 1.4. you describe the review and maintenance of the ICD-10-CM classification system and associated Official Guidelines for Coding and Reporting
- 1.5. you describe the arrangement and application of conventions (symbols, punctuation and instructional notes) of the ICD-10-CM code book
- 1.6. you describe the organization, content and use of the ICD-10-CM Official Guidelines for Coding and Reporting

Learning Objectives

- 1.a. Describe the application of coding.
- 1.b. Define the nomenclature and classification.
- 1.c. Identify the historical timeline of coding.
- 1.d. Describe different coding organizations.
- 1.e. Recognize the importance of the Standards of Ethical Coding.
- 1.f. Define compliance as it relates to coding.
- 1.g. Explain confidentiality as it applies to coding.
- 1.h. Define "principle diagnosis".
- 1.i. Define "principle procedure".
- 1.j. List the basic guidelines for reporting diagnoses.
- 1.k. Identify the types of documentation acceptable for assigning codes.
- 1.l. Identify the format of the ICD-10-CM code book.
- 1.m. Explain and apply the conventions and guidelines.

2. CODE infectious and parasitic diseases

Linked Core Abilities

- Apply learning
- Demonstrate critical thinking
- Integrate technology

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data

HIT - Apply coding and reimbursement systems

HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

2.1. Coding scenario or case study

2.2. Computerized Test

2.3. Quiz

2.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

2.1. codes reflect the highest possible level of specificity

2.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting

2.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines

2.4. codes are supported by medical documentation

2.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

2.a. Apply and assign the correct ICD-10-CM codes in accordance with the Official Guidelines for Coding and Reporting.

2.b. Recognize infectious and parasitic diseases.

2.c. Assign the correct Z codes.

2.d. Identify common treatments, medications, laboratory values, and diagnostic tests associated with infectious and parasitic diseases.

3. CODE neoplasms

Linked Core Abilities

Apply learning

Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data

HIT - Apply coding and reimbursement systems

HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

3.1. Coding scenario or case study

- 3.2. Computerized Test
- 3.3. Quiz
- 3.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 3.1. codes reflect the highest possible level of specificity
- 3.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 3.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 3.4. codes are supported by medical documentation
- 3.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 3.a. Apply diagnosis/procedure codes according to current guidelines
- 3.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 3.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 3.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 3.e. Recognize the importance of the Standards of Ethical Coding.
- 3.f. Identify pertinent anatomy and physiology of neoplasms and neoplastic diseases.

4. CODE diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism

Linked Core Abilities

- Apply learning
- Demonstrate critical thinking

Linked Program Outcomes

- HIT - Apply data governance principles to ensure the quality of health data
- HIT - Apply coding and reimbursement systems
- HIT - Model professional behaviors and ethics

Linked External Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- III.2. Utilize technologies for health information management.
- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 4.1. Coding scenario or case study
- 4.2. Computerized Test
- 4.3. Quiz
- 4.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 4.1. codes reflect the highest possible level of specificity
- 4.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 4.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 4.4. codes are supported by medical documentation
- 4.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 4.a. Apply diagnosis/procedure codes according to current guidelines
- 4.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 4.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 4.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 4.e. Recognize the importance of the Standards of Ethical Coding.
- 4.f. Identify pertinent anatomy and physiology of the blood and blood-forming organs and immune mechanism and diseases associated.

5. **CODE endocrine, nutritional and metabolic diseases**

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- III.2. Utilize technologies for health information management.
- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 5.1. Coding scenario or case study
- 5.2. Computerized Test
- 5.3. Quiz
- 5.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 5.1. codes reflect the highest possible level of specificity
- 5.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 5.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 5.4. codes are supported by medical documentation
- 5.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 5.a. Apply diagnosis/procedure codes according to current guidelines
- 5.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 5.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 5.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 5.e. Recognize the importance of the Standards of Ethical Coding.
- 5.f. Identify pertinent anatomy, physiology and diseases of the endocrine, nutritional, and metabolic organs and body systems.

6. **CODE mental and behavioral disorders**

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 6.1. Coding scenario or case study
- 6.2. Computerized Test
- 6.3. Quiz
- 6.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 6.1. codes reflect the highest possible level of specificity
- 6.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 6.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 6.4. codes are supported by medical documentation
- 6.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 6.a. Apply diagnosis/procedure codes according to current guidelines
- 6.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 6.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 6.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 6.e. Recognize the importance of the Standards of Ethical Coding.
- 6.f. Identify pertinent anatomy, physiology and diseases of mental, behavioral and neurodevelopmental disorders.

7. CODE diseases of the nervous system

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 7.1. Coding scenario or case study
- 7.2. Computerized Test
- 7.3. Quiz
- 7.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 7.1. codes reflect the highest possible level of specificity
- 7.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 7.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 7.4. codes are supported by medical documentation
- 7.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 7.a. Apply diagnosis/procedure codes according to current guidelines
- 7.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 7.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 7.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 7.e. Recognize the importance of the Standards of Ethical Coding.
- 7.f. Identify pertinent anatomy, physiology and diseases of nervous system and sense organs.

8. CODE diseases of the eye and adnexa

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 8.1. Coding scenario or case study
- 8.2. Computerized Test
- 8.3. Quiz
- 8.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 8.1. codes reflect the highest possible level of specificity
- 8.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting

- 8.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 8.4. codes are supported by medical documentation
- 8.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 8.a. Apply diagnosis/procedure codes according to current guidelines
- 8.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 8.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 8.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 8.e. Recognize the importance of the Standards of Ethical Coding.
- 8.f. Identify pertinent anatomy, physiology and diseases of nervous system and sense organs.

9. CODE diseases of the ear and mastoid process

Linked Core Abilities

- Apply learning
- Demonstrate critical thinking

Linked Program Outcomes

- HIT - Apply data governance principles to ensure the quality of health data
- HIT - Apply coding and reimbursement systems
- HIT - Model professional behaviors and ethics

Linked External Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- III.2. Utilize technologies for health information management.
- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 9.1. Coding scenario or case study
- 9.2. Computerized Test
- 9.3. Quiz
- 9.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 9.1. codes reflect the highest possible level of specificity
- 9.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 9.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 9.4. codes are supported by medical documentation
- 9.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 9.a. Apply diagnosis/procedure codes according to current guidelines
- 9.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 9.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 9.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 9.e. Recognize the importance of the Standards of Ethical Coding.
- 9.f. Identify pertinent anatomy, physiology and diseases of nervous system and sense organs.

10. CODE diseases of the circulatory system

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 10.1. Coding scenario or case study
- 10.2. Computerized Test
- 10.3. Quiz
- 10.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 10.1. codes reflect the highest possible level of specificity
- 10.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 10.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 10.4. codes are supported by medical documentation
- 10.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 10.a. Apply diagnosis/procedure codes according to current guidelines
- 10.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 10.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 10.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 10.e. Recognize the importance of the Standards of Ethical Coding.
- 10.f. Identify pertinent anatomy, physiology and diseases of the circulatory system.

11. CODE diseases of the respiratory system

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

11.1. Coding scenario or case study

11.2. Computerized Test

11.3. Quiz

11.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

11.1. codes reflect the highest possible level of specificity

11.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting

11.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines

11.4. codes are supported by medical documentation

11.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

11.a. Apply diagnosis/procedure codes according to current guidelines

11.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.

11.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).

11.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.

11.e. Recognize the importance of the Standards of Ethical Coding.

11.f. Identify pertinent anatomy, physiology and diseases of the respiratory system.

12. CODE diseases of the digestive system

Linked Core Abilities

Apply learning

Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data

HIT - Apply coding and reimbursement systems

HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

12.1. Coding scenario or case study

12.2. Computerized Test

12.3. Quiz

12.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 12.1. codes reflect the highest possible level of specificity
- 12.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 12.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 12.4. codes are supported by medical documentation
- 12.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 12.a. Apply diagnosis/procedure codes according to current guidelines
- 12.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 12.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 12.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 12.e. Recognize the importance of the Standards of Ethical Coding.
- 12.f. Identify pertinent anatomy, physiology and diseases of the digestive system.

13. CODE diseases of the skin and subcutaneous tissue

Linked Core Abilities

- Apply learning
- Demonstrate critical thinking

Linked Program Outcomes

- HIT - Apply data governance principles to ensure the quality of health data
- HIT - Apply coding and reimbursement systems
- HIT - Model professional behaviors and ethics

Linked External Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- III.2. Utilize technologies for health information management.
- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 13.1. Coding scenario or case study
- 13.2. Computerized Test
- 13.3. Quiz
- 13.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 13.1. codes reflect the highest possible level of specificity
- 13.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 13.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 13.4. codes are supported by medical documentation
- 13.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 13.a. Apply diagnosis/procedure codes according to current guidelines
- 13.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 13.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 13.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.

- 13.e. Recognize the importance of the Standards of Ethical Coding.
- 13.f. Identify pertinent anatomy, physiology and diseases of the skin and subcutaneous tissue.

14. **CODE diseases of the musculoskeletal system and connective tissue**

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 14.1. Coding scenario or case study
- 14.2. Computerized Test
- 14.3. Quiz
- 14.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 14.1. codes reflect the highest possible level of specificity
- 14.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 14.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 14.4. codes are supported by medical documentation
- 14.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 14.a. Apply diagnosis/procedure codes according to current guidelines
- 14.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 14.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 14.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 14.e. Recognize the importance of the Standards of Ethical Coding.
- 14.f. Identify pertinent anatomy, physiology and diseases of the musculoskeletal system and connective tissue.

15. **CODE diseases of the genitourinary system**

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

15.1. Coding scenario or case study

15.2. Computerized Test

15.3. Quiz

15.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

15.1. codes reflect the highest possible level of specificity

15.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting

15.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines

15.4. codes are supported by medical documentation

15.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

15.a. Apply diagnosis/procedure codes according to current guidelines

15.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.

15.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).

15.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.

15.e. Recognize the importance of the Standards of Ethical Coding.

15.f. Identify pertinent anatomy, physiology and diseases of the genitourinary organs and systems.

16. CODE conditions associated with pregnancy, childbirth and the puerperium

Linked Core Abilities

Apply learning

Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data

HIT - Apply coding and reimbursement systems

HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

16.1. Coding scenario or case study

16.2. Computerized Test

16.3. Quiz

16.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 16.1. codes reflect the highest possible level of specificity
- 16.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 16.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 16.4. codes are supported by medical documentation
- 16.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 16.a. Apply diagnosis/procedure codes according to current guidelines
- 16.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 16.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 16.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 16.e. Recognize the importance of the Standards of Ethical Coding.
- 16.f. Identify pertinent anatomy, physiology and diseases associated with pregnancy, childbirth and the puerperium.

17. CODE conditions originating in the perinatal period

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- III.2. Utilize technologies for health information management.
- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 17.1. Coding scenario or case study
- 17.2. Computerized Test
- 17.3. Quiz
- 17.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 17.1. codes reflect the highest possible level of specificity
- 17.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 17.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 17.4. codes are supported by medical documentation
- 17.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 17.a. CODE conditions associated with pregnancy, childbirth and the puerperium
- 17.b. Apply diagnosis/procedure codes according to current guidelines
- 17.c. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.

- 17.d. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 17.e. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 17.f. Recognize the importance of the Standards of Ethical Coding.
- 17.g. Identify pertinent perinatal conditions.

18. **CODE congenital malformations, deformations and chromosomal abnormalities**

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- III.2. Utilize technologies for health information management.
- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 18.1. Coding scenario or case study
- 18.2. Computerized Test
- 18.3. Quiz
- 18.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 18.1. codes reflect the highest possible level of specificity
- 18.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 18.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 18.4. codes are supported by medical documentation
- 18.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 18.a. Apply diagnosis/procedure codes according to current guidelines
- 18.b. Sequence ICD-10-CM diagnosis codes as directed by coding guidelines or ICD-10-CM conventions.
- 18.c. Demonstrate knowledge of diseases, apply the ICD-10-CM Official Coding Guidelines for Coding and Reporting of diseases, and assign the correct ICD-10-CM codes using all rules and guidelines (including Z codes).
- 18.d. Learn and identify the common treatments, medications, laboratory values, and diagnostic tests related to diseases.
- 18.e. Recognize the importance of the Standards of Ethical Coding.
- 18.f. Identify congenital malformations, deformations and chromosomal abnormalities.

19. **CODE symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified**

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data

HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

19.1. Coding scenario or case study

19.2. Computerized Test

19.3. Quiz

19.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

19.1. codes reflect the highest possible level of specificity

19.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting

19.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines

19.4. codes are supported by medical documentation

19.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

19.a. Apply and assign the correct ICD-10-CM codes in accordance with the Official Guidelines for Coding and Reporting.

19.b. Determine when to assign signs and symptoms codes.

19.c. Assign the correct Z codes.

20. CODE injuries, poisoning and certain other consequences of external causes

Linked Core Abilities

Apply learning

Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data

HIT - Apply coding and reimbursement systems

HIT - Model professional behaviors and ethics

Linked External Standards

I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.

III.2. Utilize technologies for health information management.

IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.

IV.1. RM Determine diagnosis and procedure codes according to official guidelines.

V.2. Demonstrate compliance with external forces.

Assessment Strategies

20.1. Coding scenario or case study

20.2. Computerized Test

20.3. Quiz

20.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 20.1. codes reflect the highest possible level of specificity
- 20.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 20.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 20.4. codes are supported by medical documentation
- 20.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 20.a. Apply and assign the correct ICD-10-CM codes in accordance with the Official Guidelines for Coding and Reporting.
- 20.b. Identify various types of injuries.
- 20.c. Assign the correct Z codes.
- 20.d. Identify common treatments, medications, laboratory values, and diagnostic tests.

21. CODE external causes of morbidity

Linked Core Abilities

Apply learning
Demonstrate critical thinking

Linked Program Outcomes

HIT - Apply data governance principles to ensure the quality of health data
HIT - Apply coding and reimbursement systems
HIT - Model professional behaviors and ethics

Linked External Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- III.2. Utilize technologies for health information management.
- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 21.1. Coding scenario or case study
- 21.2. Computerized Test
- 21.3. Quiz
- 21.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 21.1. codes reflect the highest possible level of specificity
- 21.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 21.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 21.4. codes are supported by medical documentation
- 21.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 21.a. Apply and assign the correct ICD-10-CM codes in accordance with the Official Guidelines for Coding and Reporting.
- 21.b. Identify various types of diseases related to morbidity.
- 21.c. Assign the correct Z codes.
- 21.d. Identify common treatments, medications, laboratory values, and diagnostic tests.

22. CODE factors influencing health status and contact with health services

Linked Core Abilities

Apply learning

Demonstrate critical thinking

Linked Program Outcomes

- HIT - Apply data governance principles to ensure the quality of health data
- HIT - Apply coding and reimbursement systems
- HIT - Model professional behaviors and ethics

Linked External Standards

- I.5. Explain the use of classification systems, clinical vocabularies, and nomenclatures.
- III.2. Utilize technologies for health information management.
- IV.1. Validate assignment of diagnostic and procedural codes and groupings in accordance with official guidelines.
- IV.1. RM Determine diagnosis and procedure codes according to official guidelines.
- V.2. Demonstrate compliance with external forces.

Assessment Strategies

- 22.1. Coding scenario or case study
- 22.2. Computerized Test
- 22.3. Quiz
- 22.4. Textbook - Chapter Exercises

Criteria

Your performance will be successful when:

- 22.1. codes reflect the highest possible level of specificity
- 22.2. codes comply with all ICD-10-CM coding conventions and Official Guidelines for Coding and Reporting
- 22.3. multiple codes are assigned and sequenced in compliance with UHDDS (or other specified minimum data set) reporting guidelines
- 22.4. codes are supported by medical documentation
- 22.5. other abstracted data is accurate and complete (when applicable)

Learning Objectives

- 22.a. Apply and assign the correct ICD-10-CM codes in accordance with the Official Guidelines for Coding and Reporting.
- 22.b. Assign the correct Z codes.