



axeaAcademy™

A healthcare organization's revenue cycle depends on the quality of its diagnosis and procedural coding.

The online training courses and interactive learning tools in Axea Academy™ foster enhanced knowledge, quality, and productivity across coding and clinical teams, helping hospitals, clinics, and physician practices generate accurate reimbursement, comply with rigorous coding and billing requirements, and avoid financial penalties.

Coder Track

This track is designed for Coding and CDI professionals who require advanced ICD-10 knowledge. Courses in this learning track follow a Five Step Learning Methodology. All CM courses are divided by chapter and are structured by course objectives, chapter organization, chapter specific coding guidelines, chapter content changes and pertinent clinical concepts. PCS has been intuitively divided into courses. Each course uses a variety of teaching methods including visual, audio and interactive learning.

- Step 1** Self Evaluation is preliminary assessment designed to help the learner determine his/her level of understanding of the changes in ICD-10.
- Step 2** Time with Your Educator as noted above is an audio-visual presentation of the course material and no score is assigned.
- Step 3** Module Activities is a learning activity designed to reinforce the concepts taught in the Time with Your Educator module. This is accomplished through a quiz scenario which provides detailed feedback to the learner.
- Step 4** As noted above provides us with course evaluation feedback from the individual learner.
- Step 5** Apply Your Knowledge is a scored final exam.

Toolboxes

The toolboxes are resources that give the coder, CDI, and provider a detailed look at the guidelines specific for improving documentation and coding within ICD-10.

To include coding guidelines, CDI guidelines as well as provider documentation tips and additional references.

CODER TOOLBOX

The Coder Toolbox includes numerous tools as an adjunct to both the ICD-10 CM and ICD-10 PCS code systems:

ICD-10 CM

- ICD-10 Coder Guide for each ICD-10 CM chapter
- Case Study for each ICD-10 chapter

ICD-10 PCS

- Character Meaning By Section
- How to locate a PCS Code
- How to Code from an Operative Report
- Detachment Qualifier Definitions
- Device Guide
- Spinal Fusion Guide

PHYSICIAN TOOLBOX

Physician Guides provide specialty-specific ICD-10 documentation guidance, based on the changes in the ICD-10 code sets. These tools can be used for creating physician education specific to ICD-10:

- Physician ICD-10 CM Guides, by specialty
- Physician ICD-10 PCS Guides, by specialty
- PCS General Guidance

Course Catalog

ICD-10 CM

Chapter 1: Infectious and Parasitic Diseases

Course Description: This course provides an overview of the code sets for Infectious and Parasitic Diseases, covers chapter-specific guidelines for certain infectious conditions and provides detailed chapter content for manifestation and combination coding.

Pertinent Clinical Concepts:

- Chapter specific guidelines for Sepsis, Septic Shock, and SIRS
- Apply combination codes along with their causative agents
- Review of symptoms for infectious and parasitic diseases

Chapter 2: Neoplasms

Course Description: This course provides an overview of the code sets for Neoplasms, covers chapter-specific guidelines for neoplasm code assignment, and provides detailed chapter content for the different types of neoplasms.

Pertinent Clinical Concepts:

- Chapter specific guidelines for pathology coding of inpatient vs outpatient malignancy coding
- Chapter specific guidelines for sequencing of anemia due to malignancy and chemotherapy
- Neoplasm specificity and laterality

Chapter 3: Blood

Course Description: This course provides an overview of the code sets for blood and blood forming organs, provides detailed chapter content and code specification for anemia and other blood conditions.

Pertinent Clinical Concepts:

- Greater specificity in coding for anemia
- Coding Opportunities for CCs and MCC for anemia and coagulation defects

Chapter 4: Endocrine

Course Description: This course provides an overview of the code sets for Endocrine, Nutritional, and Metabolic Diseases, covers chapter-specific guidelines for diabetes and its impact on diagnosis code selection and provides detailed chapter content for nutritional and metabolic disorders.

Pertinent Clinical Concepts:

- Detailed specificity and combination coding for diabetes
- Specific documentation requirements for overweight and obesity

Chapter 5: Mental, Behavioral, and Neurodevelopmental Disorders

Course Description: This course provides an overview of the code sets for Mental, Behavioral, and Neurodevelopmental Disorders, covers chapter-specific guidelines for pain and substance use, provides detailed chapter content and code specification for mental, behavioral and neurodevelopmental disorders.

Pertinent Clinical Concepts:

- Review Directional notes for correct code assignment for mental disorders
- Review Instructional notes for multiple code assignment for mental disorders

Chapter 6: Nervous

Course Description: This course provides an overview of the code sets for the Nervous System, covers chapter-specific guidelines for hemiplegia and hemiparesis and provides detailed chapter content for conditions and diseases of the nervous system.

Pertinent Clinical Concepts:

- CC and MCC coding opportunities for Alzheimer's and Epilepsy
- Detailed laterality for hemiplegia and monoplegia

Chapter 7: Eye and Adnexa

Course Description: This course provides an overview of the code sets for Diseases of the Eye and Adnexa, covers chapter-specific guidelines for glaucoma and provides detailed chapter content for specific diseases of the eye.

Pertinent Clinical Concepts:

- Detailed specificity for types of glaucoma
- Laterality and code specificity for glaucoma
- Updated coding terms to reflect current terminology

Chapter 8: Ear and Mastoid

Course Description: This course provides an overview of the code sets for Diseases of the Ear and Mastoid Process, provides chapter specific diagnosis codes and detailed chapter content for ear and acoustic nerve disorders.

Pertinent Clinical Concepts:

- Laterality for otitis media and acoustic disorders
- Greater code specificity with fourth, fifth, and sixth characters level assignment, (ex. Otitis media)

Chapter 9: Circulatory System

Course Description: This course provides an overview of the code sets for the Circulatory System, covers chapter specific circulatory guidelines and provides detailed chapter content for circulatory disorders.

Pertinent Clinical Concepts

- Causal relationship between Hypertension and kidney and heart involvement
- CC and MCC Alert for Cerebral Infarction and Pulmonary embolism
- Code sequencing for Acute MI with complications
- Specificity for Myocardial Infarctions

Chapter 10: Respiratory System

Course Description: This course provides an overview of the code sets for Diseases of the Respiratory System, covers chapter specific respiratory guidelines, and provides detailed chapter content for respiratory disorders.

Pertinent Clinical Concepts

- Chapter specificity for respiratory codes, (ex. Influenza, bronchitis)
- Review instructional notes for: additional code assignment, code first, and underlying conditions

Chapter 11: Digestive System

Course Description: This course provides an overview of the code sets for Diseases of the Digestive System, provides chapter specific diagnosis codes and detailed chapter content for commonly coded digestive conditions.

Pertinent Clinical Concepts

- Greater code specificity for digestive disorders, (ex. GERD, crohn's, barrett's esophagus)
- Detailed code specificity of codes with fifth and sixth character assignment for Crohn's Disease

Chapter 12: Skin and Subcutaneous

Course Description: This course provides an overview of the code sets for Skin and Subcutaneous, covers chapter specific guidelines for pressure and non-pressure ulcers, provides detailed chapter content for ulcers and other skin diseases.

Pertinent Clinical Concepts

- Multiple Coding reporting and Combination Coding for Ulcers
- Staging for pressure ulcers
- Detailed code specificity with fourth, fifth, and sixth character assignment

Chapter 13: Musculoskeletal

Course Description: This course provides an overview of the code sets for Musculoskeletal disorders, covers chapter specific musculoskeletal guidelines and provides detailed chapter content for fractures and other musculoskeletal disorders.

Pertinent Clinical Concepts:

- Specificity and laterality for most codes within the chapter
- Attention to seventh character code expansion for fractures
- Review guidelines for initial, subsequent, and sequela conditions for fractures

Chapter 14: Genitourinary System

Course Description: This course provides an overview of the code sets for the Genitourinary System, provides detailed chapter content and code specification for diseases and conditions of the Genitourinary System.

Pertinent Clinical Concepts

- Instructional notes throughout the chapter for additional coding, (ex. code also, code first)
- Chapter guidelines for chronic kidney disease

Chapter 15: Pregnancy, Childbirth, and Puerperium

Course Description: This course provides an overview of the code sets for Pregnancy, Childbirth, and Puerperium, covers chapter specific guidelines for pregnancy, labor and delivery, and provides detailed chapter content and code specification for diseases and conditions within the chapter.

Pertinent Clinical Concepts

- Reminder: Codes for Chapter 15 are used for maternal records only, no newborn records
- Code capture for specificity for weeks of gestation and pregnancy trimester
- Thorough review of all coding guidelines for Chapter 15, (there are multiple)

Chapter 16: Perinatal Period

Course Description: This course provides an overview of the code sets for the Perinatal Period, covers chapter specific perinatal guidelines and provides detailed chapter content and code specification for perinatal conditions and disorders.

Pertinent Clinical Concepts

- Reminder: Codes for Chapter 16 are used for newborns only, no maternal records
- Thorough review of all coding guidelines for Chapter 16, (there are multiple)

Chapter 17: Congenital Malformations

Course Description: This course provides an overview of the code sets for Congenital Malformations, covers chapter-specific guidelines for congenital conditions and provides detailed chapter content and code specifications for congenital disorders.

Pertinent Clinical Concepts

- Codes for Congenital Conditions are applicable for as long as the patient has the condition, (not just at childbirth)
- Review Instructional Notes throughout the chapter for "use additional" code assignment, (ex. paraplegia, spina bifida, cleft lip and palate)

Chapter 18: Symptoms, Signs, and Abnormal Findings NEC

Course Description: This course provides an overview of the code sets for Symptoms, Signs and Abnormal Findings, covers chapter-specific guidelines and provides detailed chapter content for abnormal clinical and laboratory findings.

Pertinent Clinical Concepts

- Assign Sign and Symptom coding only when a diagnosis is not classifiable anywhere else
- Coding opportunity for MCCs, (coma)
- Review Exclude 1 Notes throughout the chapter to clarify code usage

Chapter 19: Injuries, Poisonings & Other Consequences of External Causes

Course Description: This course provides an overview of the code sets for Injuries, Poisonings, and other External Causes, covers chapter-specific guidelines and provides detailed chapter content for injuries, poisonings, and other external causes.

Pertinent Clinical Concepts

- Thorough review of all coding guidelines for Chapter 19, (there are multiple)
- Specificity in coding for open vs closed fractures
- Seventh character assignment for episode of care, (initial, subsequent, sequela)

Chapter 20: External Causes of Morbidity

Course Description: This course provides an overview of the code sets for External Causes of Morbidity, covers chapter-specific guidelines for external causes, and provides detailed chapter content and code specification for external causes.

Pertinent Clinical Concepts

- Thorough review of Coding Guidelines for Chapter 20, (there are multiple)
- External Cause codes can never be listed as the principal diagnosis or as the only diagnosis
- Intent of a code: If included within a code from another chapter then an external code is not necessary, (ex. poisonings: cause, intentional vs unintentional)

Chapter 21: Factors Influencing Health Status

Course Description: This course provides an overview of the code sets for Factors Influencing Health & Health Services, covers chapter-specific guidelines and provides detailed chapter content and code specification for factors influencing health status and health services.

Pertinent Clinical Concepts

- Thorough review of Coding Guidelines for Chapter 21, (there are multiple)
- Review Instructional Notes to determine how codes are assigned, (ex. reason for encounter, code first for follow-up exams with personal history codes)
- Identify which Z codes within the chapter are used as first-listed only, or as a secondary code

ICD-10 PCS

Course 22

This introductory course addresses the history of ICD-10-PCS, the PCS structure, table organization, key attributes, characteristics, and definitions.

Course 23

This course covers detailed Medical and Surgical Coding Guidelines specific to body system, body parts and approach. The body parts section addresses the following: branches, bilateral values, coronary arteries, joint structures, tissue overlying a joint, fingers and toes, and gastrointestinal. An overview of the definitions and coding guidelines for approach is included. Components of the approach: access location, method and type of instrumentation are addressed.

Course 24

This course provides clinical and mechanical information on common inpatient procedures. All 31 root operations are defined in detail with surgical examples and exercises between the following three courses: PCS Root Operations – Part 1, Part 2 and Part 3.

This course covers the following 10 root operations:

- Destruction
- Detachment
- Division
- Drainage
- Excision
- Extirpation
- Extraction
- Fragmentation
- Release
- Resection

Pertinent clinical concepts are also addressed.

Course 25

This course provides clinical and mechanical information on common inpatient procedures. All 31 root operations are defined in detail with surgical examples and exercises between the following three courses: PCS Root Operations – Part 1, Part 2 and Part 3.

This course covers the following

12 root operations:

- Change
- Insertion
- Inspection
- Map
- Reattachment
- Removal
- Replacement
- Reposition
- Revision
- Supplement
- Transfer
- Transplantation

Pertinent clinical concepts are also addressed.

Course 26

This course provides clinical and mechanical information on common inpatient procedures. All 31 root operations are defined in detail with surgical examples and exercises between the following three courses: PCS Root Operations – Part 1, Part 2 and Part 3.

This course covers the following nine root operations:

- Alteration
- Bypass
- Control
- Creation
- Dilatation
- Fusion
- Occlusion
- Repair
- Restriction

Pertinent clinical concepts are also addressed.

Course 27

This course covers information specific to the medical and surgical procedures related to nine additional sections of ICD-10-PCS and the six ancillary sections. This includes general information, body system, root operation, code components (body part, approach, device, qualifier), and coding tips.

Course 28

The learner will gain practical ICD-10 coding experience by applying concepts learned in CM and PCS courses to operative notes.

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Axea Academy's learning approach accommodates diverse learning styles – visual, aural, verbal, and logical – with courses that use a variety of video, audio, and interactive teaching tools that ensure effective knowledge transfer and on-the-job application.

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