

M: Course Objectives / Learning Outcomes

In this course students study pathophysiology and data classification concepts for specific body systems. The learner will:

- develop skills in data classification by applying knowledge of the pathophysiology for specified major clinical categories using the ICD-CA and CCI classification systems
- understand and predict the course of specified pathological conditions in terms of demographic, etiology, presentation, method of diagnosis, common comorbidities, typical and alternative interventions and mode of encounter with the health care delivery system
- apply critical thinking skills to the coding process
- apply national, provincial and local standards for data collection
- apply patient service classification systems
- apply research skills to independent study of pathophysiology and classification
- continue to develop an appreciation for the importance of data integrity

N: Course Content:

1. Patient service classification
 - definitions
2. For a given disease/disorder within a major clinical category:
 - define the terminology and abbreviations
 - describe:
 - predisposing and risk factors (demographic)
 - etiology
 - presentation (signs and symptoms)
 - method of diagnosis
 - common comorbidities (and complications)
 - typical and alternative interventions
 - likely mode of encounter with the health care delivery system
 - classify to ICD10-CA and CCI
 - assign patient service category
3. Major Clinical Categories included in this course:
 - diseases and disorders of the skin, subcutaneous tissue & breast
 - lymphoma, leukemia or unspecified site neoplasms
 - diseases and disorders of the musculoskeletal system and connective tissue
 - diseases and disorders of the circulatory system
 - cardiac diseases and disorders
 - vascular diseases and disorders
 - diseases and disorders of blood and blood forming organs and immunological disorders
 - diseases and disorders of the respiratory system
 - diseases and disorders of the digestive system
 - diseases and disorders of the hepatobiliary system and pancreas
 - multisystemic or unspecified site infections
 - HIV infections
 - diseases and disorders of the eye
 - diseases and disorders of the ear, nose, and throat

O: Methods of Instruction

1. Lecture/Practice
2. Group discussion
3. Application exercises/case studies/health records
4. Technology (software, audiovisual, etc.)
5. Guest lecturer
6. Independent study of assigned topics

P: Textbooks and Materials to be Purchased by Students

A list of mandatory and optional textbooks and materials is provided for students at the beginning of each semester.

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