Who is this for? Those using, administering, installing or mapping using SNOMED CT.

Working in healthcare today requires understanding of clinical terminology such as SNOMED CT (the most extensive and common clinical terminology in healthcare around the world). This means you need to understand the uses and differences between terminology and classifications and how to work with SNOMED CT within clinical information systems. This course introduces the essential knowledge of SNOMED CT and develops foundation skills relevant to safe and effective use of SNOMED CT.

Learning pathways

Delivery Methods

This course is delivered with a single day face to face workshop and through online provision of materials and support from a dedicated tutor. The course is divided into modules, each of which has a learner’s guide with exercises, exercise answers, and a quiz which counts towards the assessment for the course.

The course modules are:

1: Clinical Terminology - General Principles
2: SNOMED CT Structure and Concepts
3: Tools supporting SNOMED CT (including reference sets)
4: Mapping to/from SNOMED CT

Assessment

This course requires the successful completion of all given activities. Assessment activities undertaken provide additional learning opportunities and they enable self assessment of a candidate’s progress throughout. Assessments may be taken more than once as they assist learning as well as confirmation of skills.
Student Workload (Total Hours)

Workloads will vary between individuals as it is very much dependent upon previous training and assessment knowledge, skills and work experience. It is to be expected that each module can be completed part time in a week, but a pace of 1 module every 2 weeks is within the anticipated timing. These modules are designed to be flexible and to support learning, rather than to enforce a specific schedule upon students. The course is designed to be able to be completed within 1 month full time, or 2 months part time.

### Competency Standards

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<tr>
<th>Skill Element</th>
<th>Specific competency</th>
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| **1.1 Clinical Terminology General Principles** | 1.1.1 Describe the history and purpose of clinical terminology  
1.1.2 Apply basic definitions and SNOMED CT structures to define meaning of concepts  
1.1.3 Explain the differences between a terminology and a classification system  
1.1.4 Explain the business case for the use of clinical terminology and the impact upon clinical decision support, safe, accurate clinical communication, and information systems through the health data continuum.  
1.1.5 Demonstrate the application of clinical terminology and classification through the health data continuum, from clinical care to national service planning.  
1.1.6 Understand the SNOMED-CT professional career options and competencies  
1.1.7 Understand national, local extensions and namespaces, what they are and why they are used and how they are managed, including request submission  
1.1.8 Understand and apply SNOMED-CT governance and licensing requirements (including requirements for individual national licensing) |
| **1.2 SNOMED CT structure and concepts** | 1.2.1 Explain the use and design of SNOMED CT identifiers.  
1.2.2 Describe the components of concepts in SNOMED CT.  
1.2.3 Use SNOMED CT to find the active concept to represent a specific meaning.  
1.2.4 Describe the principles of pre-coordination to concept representation  
1.2.5 Explain the differences between pre and post coordinated terms and assess the benefits and risks of each approach.  
1.2.6 Explain the value of SNOMED CT’s capacity to support compositional grammar of SNOMED CT and why it is important  
1.2.7 Explain the principles of concept modelling as it applies to clinical terminology  
1.2.8 Explain the principles of description logic as it applies to SNOMED CT |
| **1.3 Tools supporting SNOMED CT** | 1.3.1 Use a SNOMED CT browser  
1.3.2 Selection of appropriate tools for a give task  
1.3.3 Understand alternative approaches to user interface to support data collection and representation, including search strategies  
1.3.4 Understand what Release Formats are and why they are used  
1.3.5 Understand what 'Terminology Binding' means and why it is important |
| **1.4 Reference set** | 1.4.1 Explain the purpose of a SNOMED CT reference set  
1.4.2 Understand the results of applying a reference set mechanism  
1.4.3 Identify implementation issues related to a reference set |
## Skill Element | Specific competency
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### 2.1 Mapping of a terminology to a classification or terminology

2.1.1 Explain the purpose of mapping

2.1.2 Analyse the risks and benefits of mapping as an approach to data collection and management, including the resources required to keep both ends of a map current and synchronized.

2.1.3 Explain the principles of mapping between concept representation systems

2.1.4 Explain the need for a mapping methodology

2.1.5 Explain types of maps

2.1.6 Explain types of matching between concept (lexical, semantic, aggregation)

2.1.7 Understand the tools used for mapping

### Required Materials and Resources

Students need to have access to a computer with word processing software, a pdf reader, an Internet browser and have reliable access to broadband Internet.

### Textbooks

Though you don’t need to have any tools or text books when you begin, you will be required to download materials from both the IHTSDO web site and national SNOMED CT release centre. These materials include reference documents, tools and data.

### Keywords/Learning topics

MESH: Clinical terminology, SNOMED CT, Mapping, classification

### Prior Knowledge & Skills Recommended

- **English language skills** – Competent User  
  (International English Language Testing System (IELTS) - 6)

  **Basic computing skills** including the ability to undertake a range of everyday computer operations and the ability to use the internet, email, save and retrieve documents and to recognize the different types of documents.

### Enrolment

http://www.ehe.edu.au/courses_H_Snomed-HL.php