



Review of training and other related materials for the Implementation of SNOMED CT

Education Special Interest Group

International Health Terminology
Standards Development Organisation



Documentation & Resources to Support SNOMED CT Education

- **Audience**

- People involved in designing, developing, procuring, deploying or maintaining SNOMED CT implementations.
- Support National Release Centres by providing educational resources that are competency based

- **Objectives**

- To make attendees aware of the suite of materials available via the IHTSDO portal
- To introduce the competency based methodology employed by the committee in the review and updates of existing training material





Agenda

- Introduction
- SNOMED CT Training Suite
- Competency Based Education Framework
- Methodology for Slide review
- Planning for 2013
- Questions & Discussion



Project Mission

In order for uptake of SNOMED CT within the broader health and health information technology community, a set of knowledge skills about SNOMED structure, content and deployment must be established

SNOMED CT is a complex entity which requires specific skills in order to be understood and be deployed

Competency framework allows for objective criterion to be developed to drive education and training development



SNOMED CT Training Suite

- The Chief Implementation and Innovation Officer (CIIO) requested that the ED SIG review and revise an extensive set of training slides donated to the IHTSDO
- These slide decks cover aspects of orientation to and implementation of SNOMED CT
- Through a series of workshops and online collaborative meetings the ED SIG has updated, modularised and annotated these slide decks
- The ED SIG activity also linked these slide decks to the competencies, previously specified for particular roles
- Materials identified updated and catalogued



Review Process

- Initial presentation
- Group review with author(s)
- Slides updated and shared with group and committee
- Slides currently available on IHTSDO CollabNet
- Following final QA to be posted on IHTSDO public site



Competencies

SNOMED CT Competencies					
Element		Unit		Competency	
1	Use SNOMED CT	1.1	Clinical terminology general principles	1.1.1	Describe the history and purpose of clinical terminology
1	Use SNOMED CT	1.1	Clinical terminology general principles	1.1.2	Apply basic definitions and SNOMED CT structures to define meaning of concepts
1	Use SNOMED CT	1.1	Clinical terminology general principles	1.1.3	Explain the differences between a terminology and a classification system



Competency/Slide Deck

Deck Name	slides	Element	Competency	short competency description	Amount Covered (10 indicates all of competency)
Design Features	2,3,	1	1.1.4	Explain business case	1
	14, 43	1	1.2.1	identifiers in SNOMED CT	1
	4 to 13, 15 to 22	1	1.2.2	explain general structure	8
	23 to 35	1	1.2.7	concept model	5
	36 to 37, 40 to 45	1	1.1.7	localisation and extension	5
	38 to 39	1	1.1.8	reference sets	2
	46 to 47 and 58	2	2.1.1	purpose of mapping	1
	48 to 57	2	2.1.5	map types	8
EHR and SNOMED CT	2 to 5, 10 to 13, 25 to 26	1	1.1.4	Business case	6
	6 to 9	1	1.2.5	pre and post-coordination use	4
	14 to 24	1	1.1.1	what is a terminology and why	5
Governance and Access	1 to 13	1	1.1.8	understand / apply license / governance	3



Review Process - Additional Points

- This process is cyclical - a regular review of material when complete is intended
- Resources for the Generalist are now available for piloting
- The new process of 'Action Gap Analysis' has been identified through mapping of resources which has identified gaps in material available to support quality education programme development
- These will now be identified during the 'Map Resource Process' and the information conveyed back to the relevant committee for action i.e. provision of new source material needed or update to the existing material

Roles and Foundation	Role and Functions Defined	Competencies Defined	Map resources (inc: Gap analysis)	Action Gap Analysis	Prepare test plan and process	Certification
Generalist - foundation	ED SIG work Complete	ED SIG work Complete	Draft available for trial use	In Preparation	In Preparation	In Planning
Domain Specialist	Domain Specialist - the SNOMED-CT generalist operating in a specific domain of knowledge e.g. Veterinary Science, Oncology, who has been confirmed to have higher level terminology use and application skills.					
Technical Implementer	In Preparation	In Preparation	In Planning			
Mapper	Draft available for trial use	Draft available for trial use				
Editor	Draft available for trial use					
Implementation Advisor	As defined through the SIA scheme (sponsored by the I&I Committee)					
Consultant Terminologist	As defined through the Consultant Terminologist Programme (led by CTO)					



Results

- An annotated inventory of SNOMED CT, methodology tested and documented for review of educational materials
- The core competencies and proposed certification process for SNOMED CT generalists, which will be built on for other specific roles
- A modularised set of training slides based on the IHTSDO donated ones and an initial assessment of what would meet which competency in the framework



Next Steps

- Exploration of what set of questions (from a standard methodology) to assess the training value and instructors direction for the slides
- Update on the process and more detail i.e. high level instructors notes on each slide, even including the possibility of video recording delivery of a set of modules
- IHTSDO exploring options (including the Business Case) for Certification – Report due December 2012





The Education SIG welcomes feedback

Meetings: 2nd and 4th Monday; 21:00 UTC
Please join our Group

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