SNOMED CT: The global perspective

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Presentation

- What is SNOMED CT?
- What is SNOMED the standard?
- What is the SNOMED Standards Development Organisation [SDO]?
- Why do it?
- What is the current position?

What is SNOMED CT?

The Systematized Nomenclature of Medicine
Clinical Terms

- A Clinical Healthcare Terminology
  - Comprehensive, scientifically-validated content
  - Essential for electronic health records
  - Cross-maps to other international standards
  - Already used in several countries

What is SNOMED CT?

- Size
  - 415,000 health care concepts
  - 1,085,000 descriptions
  - 1,465,000 semantic relationships
- English, German and Spanish language editions
- 10 Cross mappings (ICD-9 &10, OPCS 4.2 etc.)
- Strong cooperation with HL7
- 18 hierarchies

The SNOMED SDO: What is this about?

- An international <u>effort</u> to produce and enhance a global clinical terminology standard

- An <u>organization</u> supporting that effort

- A set of <u>products and services</u> produced by that organization

- Set of <u>principles</u> that guide decision making

The SNOMED SDO:
What is this about?

- FROM
  - Proprietary [CAP] owned
  - Single enterprise
  - USA placed
  - License based
  - Not for profit
- Business Model

- TO
  - Publicly owned
  - Globally and locally responsive
  - Internationally placed
  - 'Fair share' subscription based
  - Not for profit
- Business Model

Why a Clinical Terminology?

Costs

- Terminology use benefits the entire healthcare system

    – Save as much as 5% of total healthcare costs*

    – Up to €84 Billion per year in US

* Source - Walker J et al., Market Watch 2005:19th January;10-18

Why the SNOMED Terminology?

- Validated Product

- Leading Global Terminology

- Ready for Local Implementation

- Large amounts already invested in SNOMED CT

SNOMED CT should become the *Global Clinical Terminology*

Why Adopt SNOMED CT?

High cost and delays to develop alternatives

- Estimated cost to create an alternative:
  - €21 to €46 million to develop a terminology
  - €7 to €8 million per year to maintain and support
  - End-user costs increase as software vendors must support two competing terminology standards
- Development would take up to five years, delaying national EHR adoption

Why Join the SNOMED SDO?

Commercial Benefits

- Costs are minimal compared to the millions to implement an Electronic Patient Record system

- Fees are affordable and costs are shared among members according to their ability to pay

- Fees will reduce as additional members join

- HIT investment risks are significantly reduced

- Protect your Healthcare IT investment now

Comparing Health Economies and Estimated Fees

Nation	Health Econ.	Health IT	SSDO Fees
• UK	€118Bn*	€4.7Bn†	€0.76m
• US	€1,426Bn‡	€40Bn‡	€4.6m

SSDO fees will be 0.012% to 0.017% of Health IT

* UK NHS budget

† 4% is NHS target spend – source: Wanless Report

‡ Annals of Health Care (US)

Countries with SNOMED CT Users

Australia	Hungary	New Zealand	Sweden
Austria	Iceland	Norway	Switzerland
Belgium	Iran	Oman	Taiwan
Canada	Ireland	Poland	Thailand
China	Israel	Portugal	Turkey
Denmark *	Italy	South Korea	U.A.E.
Estonia	Japan	Saudi Arabia	United Kingdom *
Finland	Malaysia	Singapore	United States *
France	Namibia	South Africa	
Germany	Netherlands	Spain	

SNOMED CT Vendor Adoption

- Software vendors are actively developing SNOMED CT-enabled applications
  - Currently, more than 30 vendors have deployed SNOMED CT-enabled software systems to end-users
  - More than 50 others are actively working to implement SNOMED CT in new or legacy systems
  - At least 20 of those 50 are expected to deploy their systems to end users within the next 12 months
- Overall, 53% of vendors report that they are using SNOMED CT in their products

SNOMED CT Implementations

Cancer Registries	Laboratory Info Systems
Clinical Guidelines	Medical Research
Clinical Trials	Nursing Systems
Decision Support	Pharmaceutical Databases
Disease Surveillance	Publication Indices
Electronic Health Records	Radiology
Electronic Prescriptions	Tissue Annotation
Hospital Mgt Systems	Veterinary Medicine

Current SNOMED CT Vendors

A-Life Medical	Genelogic	mTuitive
Allscripts	Health Language	Oracle Corporation
Apelon	HealthySoft	Picis
Atlas Development	In Practice Systems	Rxworks
Cerner	iSoft	Seetec
CSW Group	Language & Computing	Siemens Medical
Dictaphone	McKesson	Singapore Comp Systems
Egton Medical Systems	McKesson Info Solns UK	Soft Comp Consultants
Epic Systems	Medical Info Engineering	Theradoc
EvaWare	Microtest	Visual Read
GE Healthcare	Misys	Wellmed/WebMD

Current Position

- Potential Charter Membership of 7 countries with another 2 making decisions shortly
- Ongoing discussions between this group and CAP
- Ongoing discussions within Europe
- Major discussion at WHO Executive in early 2007
- Determination to set up the SDO

In conclusion….

- SNOMED CT will facilitate the sharing of electronic patient records to provide clinical support across all care settings.

- SNOMED CT is <u>part</u> of the EHR solution.

- SNOMED CT will enhance patient safety and bring higher efficiency in patient care and academic research.

The Systemized Nomenclature of Medicine
SNOMED Clinical Terms®
(SNOMED CT)®

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