

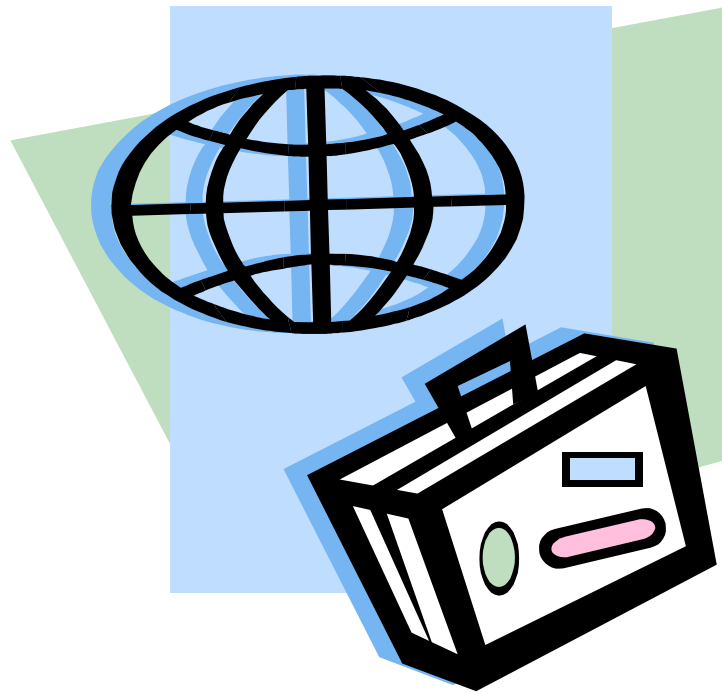


Standards: Key Building Blocks of EHRs

2008 Spring Partnership Conference
Jennifer Zelmer



What's the same, what's different?



Sundhed nationalt

- ▶ Sygdomme
- ▶ Sundhed og forebyggelse
- ▶ Behandling
- ▶ Lægemidler
- ▶ Hvad siger loven?
- ▶ Tal og fakta
- ▶ Sundhedsvæsenet

Forside/ [Vejviser](#)/ Resultatliste[Log på sundhed.dk](#)

Vejviser

Udskriv

Viser 1 til 10 af 22 resultater.

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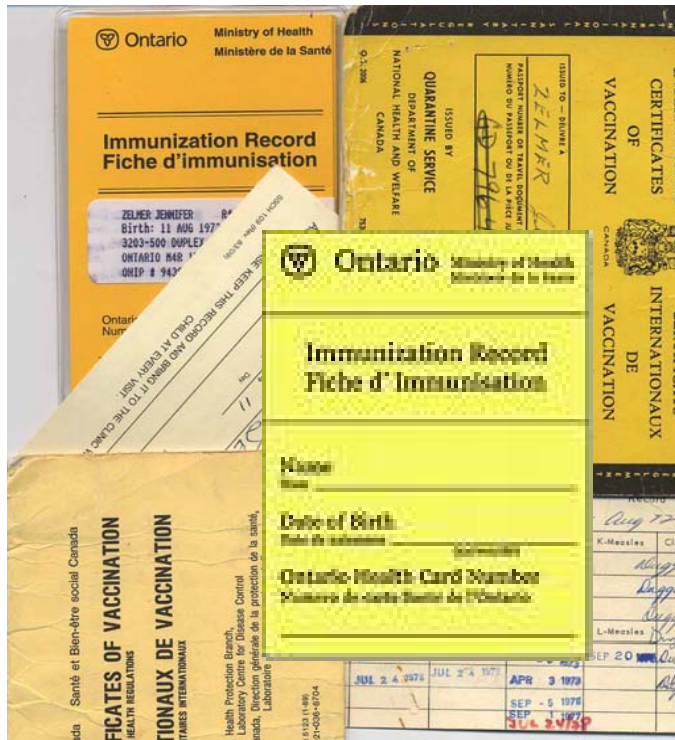
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- **Book appointments**
- **Book online consult**
- **Secure email with clinic**
- **Refill prescriptions**

- ▶ **Regioner og sygehuse**
- ▶ **Kommuner og sundhed**



Some Things Don't Change ...





Goal: Real & Lasting Change

- Safe, effective, and responsive health services
- Appropriate information sharing between providers
- Chronic disease management
- Decision support
- Engaging patients
- Reducing duplication and other inefficiencies
- etc.



Just some of the challenges ...

- What is the patient's problem list?
- Is a new drug safe to prescribe?
- What are the latest test results?
- Is recommended preventive care due?
- How long are patients waiting?
- Can I learn from others about how to improve care?



Capture once, use many times (in a privacy sensitive manner)

- For direct client/patient care
 - At the point of care
 - By the client/patient
 - Same provider, different time
 - Different provider(s)



Capture once, use many times (in a privacy sensitive manner)

- For direct client/patient care
- For public health surveillance
- For health outcomes analysis
- For informing health policy
- For accountability and public reporting
- For costing and funding
- For clinical research
- For health services research
- For ...



Crossing the divide





Why a Clinical Terminology?

- Essential for EHR
- Decision Support
- Reduction in Errors
- Less Administration
- Better Collaboration
- Disease Surveillance
- Performance Data
- Etc.



What is SNOMED CT?

- Systematized Nomenclature of Medicine Clinical Terms® (SNOMED CT)
- A comprehensive clinical terminology covering diseases, clinical findings, and procedures
- Represents the meaning of concepts using formal definitions
- Helps to structure and computerize health records allowing for a consistent way of indexing, storing, retrieving and aggregating clinical data



What is SNOMED CT?

How big is it?

- More than 300,000 concept codes
- More than 700,000 active terms (descriptions)
- More than 900,000 Active defining relationships
- Scale is a major issue in developing, using and maintaining it



Representing “heart attack”

- Myocardial infarction
- Myocardial infarct
- MI
- Heart attack
- Infarction of heart
- Cardiac infarction
- ...



Enabling decision support: An Example

- Influenza vaccination reminder
- decision support program criterion:
 - chronic cardiorespiratory disorders
- patient record:
 - mild persistent asthma





What is IHTSDO?

- An international organisation that owns and administers SNOMED CT
 - SNOMED CT and previous works (SNOMED 3.5, RT etc.)
 - The intellectual property transferred from CAP 26th April 2007
- A not-for-profit entity
 - Registered as a Danish Association, 23rd March 2007
 - Canada and 8 other countries joined as Charter members



The Vision

- To enhance the health of human-kind by facilitating better health information management
- To contribute to improved delivery of care by clinical and social care professions
- To facilitate the accurate sharing of clinical and related health information, and the semantic interoperability of health records

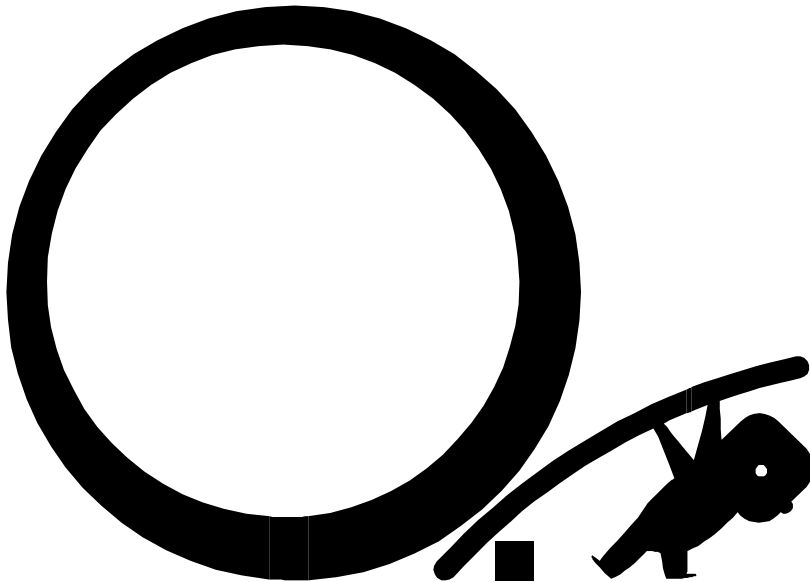


Achieving the Vision will require

- A globally co-ordinated effort
- Agreement on a core Terminology for recording and sharing of health information
- Pooling of resources to share the costs and benefits relating to the development and maintenance of the Terminology Products
- Consistent promotion of the uptake and correct use of the Terminology
- Active harmonization activity with other SDOs



Information enabling change ...



... With standards a key