The National Guidelines of the 22 highlighted breast cancer recommendations delivered in a structured way to help developing decisions support

IHTSDO Showcase 2014

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Responsibilities for the National Board of Health and Welfare

- National Information Structure
- National Health Classifications
- Swedish extension of SNOMED CT
- Coordination Centre for semantic interoperability within Sweden
- National Guidelines

But
- We are not responsible for the implementations
Objectives of the project

The aim is to make the recommendations

• Functional in a digital system

• To be used by decision-makers when developing Clinical Decision Support Systems

• Usable for quality assessment on local and national level
Results

• Conceptual model
• Information model
• Mappings to
  – SNOMED CT
  – ICD-10
  – The Swedish Procedure Classification
BEFORE

<table>
<thead>
<tr>
<th>ID</th>
<th>Health Issue</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>B058b</td>
<td>Breast cancer, preformed surgery, hormone receptor positive malignant neoplasm, specimen involvement by matted nodes, postmenopausal</td>
<td>Aromatase inhibitor for 5 years</td>
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AFTER

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<tr>
<th>ID</th>
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<th>Condition Planned Activity</th>
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Information Model
Breast Cancer Guidelines
Lessons learnt

• Involving health care professionals
  – Since this is not an IT-project
  – Changed mind sets on several levels

• Structure the information before mapping
  – Clarify what the information represents

• Resulted in higher quality of the national guidelines

But there is a lot of work…
Next step
- to further test and develop the method

• Cooperation with two Regional Cancer Centres (RCC) in Sweden (covering 41% of the Swedish population)

• Using the process models for the patients journey when diagnosed with breast cancer developed by RCC:s

• Using clinical information materials covering the patient journey through the breast cancer process
  – National Guidelines
  – National Breast Cancer Care Program
  – National Quality Register
National
- Guidelines
- Care program
- Quality register

Breast cancer process
Clinical information

Structure (models)
Standardized concepts and descriptions (SNOMED CT + classifications)

"Application"
Decision support
"Application"
Journal
"Application"
Reporting
Our model to develop good healthcare and social services

Problem analysis

Common terms and information structure

Good healthcare and social services for the entire population

Results
- Statistics
- Follow up
- Evaluation

Best available knowledge
- Regulations
- Guidelines Recommendations
- Indicators Targets

Healthcare and social services at local and regional level

The model for developing good health, healthcare and social services

01/11/2014
Decisions to make

- Terminology binding between the information model and SNOMED CT
- IHTSDO:s mappings between SNOMED CT and ICD-10
- Pre or post coordinated SNOMED CT concepts
- Who should be responsible for the maintenance
Main results will be

- A method that could be applied on other clinical areas
- Information model
- Refsets for breast cancer
Thank you for your attention!

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