

Terminology Explorers

Elze de Groot
Consultant

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- dec 2001: one platform for ICT in Healthcare
- 2002 - 2006 make an EHR possible in NL
 - choice for national index registry and HL7v3
- 2007 - 2011 legislation for use of identifiers
 - EHR rejected in parliament on April 5th 2011 (supposed privacy issues: politicians have 'cold feet')
- 2012 - ... split up of Nictiz
 - funded by the **Government** Nictiz continues the standards and developments to improve Healthcare IT
 - denationalization of the national index registry and continuation in a **private** service centre for healthcare
- National Release Centre of SNOMED CT

What is a Terminology Explorer?

- Searching through terminologies
- Internet
- XML database
- Semantic web technology
- Always in development

Search Term(s)  pneumo

SNOMED Clinical Terms version: 20120731 [R] (July 2012 Release)

Help

Results (50 of 1042)

P Pneumonia	Pneumonia (disorder)
S Pneumouria	Pneumatouria (finding)
P Pneumocyte	Pneumocyte (cell)
P Pneumonitis	Pneumonitis (disorder)
S Pneumoneces	Haematoloechus (organism)
S Pneumovirus	Genus Pneumovirus (organism)
P Pneumocvstis	Pneumocvstis (organism)

[Lung consolidation](#)

[Pneumonitis](#)

Pneumonia (disorder)
Pneumonia

Id 233604007
Definition status Primitive

Associated morphology [Consolidation](#)
Associated morphology [Inflammation](#)
Finding site [Lung structure](#)

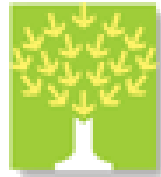
[Abscess of lung with pneumonia](#) 1

[Acute mucous pneumonia](#)

[Aspiration pneumonia](#) 9

Why?

Snowflake browser



UMLS



SNOB



rivm

National Institute
for Public Health and
the Environment

WHO Family of International Classifications (FIC)



World Health Organization
ICF
ICD



- What else does a terminology explorer offer?

Why?

- Fast and simple
- Help the user to understand and use terminology
- Help the user to get familiar with search techniques
- Not just SNOMED CT
- Part of more

Fast and simple

- No other functionalities like mapping and creation of reference sets
- Focus on the way of searching and showing
- Simple use via internet – no registration needed

Design and notion of terminology

- Introduce terminology to user
- Help the user to understand how the terminology is set up
- Create awareness where terminology can be used for
- Get familiar with the content of terminology
- Let the user 'taste' by looking into the terminology
 - Experience the terminology
 - Get used to English terms
 - Completeness of terminology
 - Complexity of terminology

Get used to search techniques

- Care professional is familiar with terms and not with codes
- Search with part of terms
- Search with combination of terms
- Search in English and Dutch
- Showing the **terms** that are familiar to care professional

Not just SNOMED

- Layout that fits the terminology
- Links between the terminologies

- DHD diagnoses – diagnosis list of hospitals
- Logical Observation Identifiers Names and Codes (LOINC)
- ICD10
- International Classification of Functioning (ICF)
- ISO 9999 - Assistive products for persons with disability

Part of more

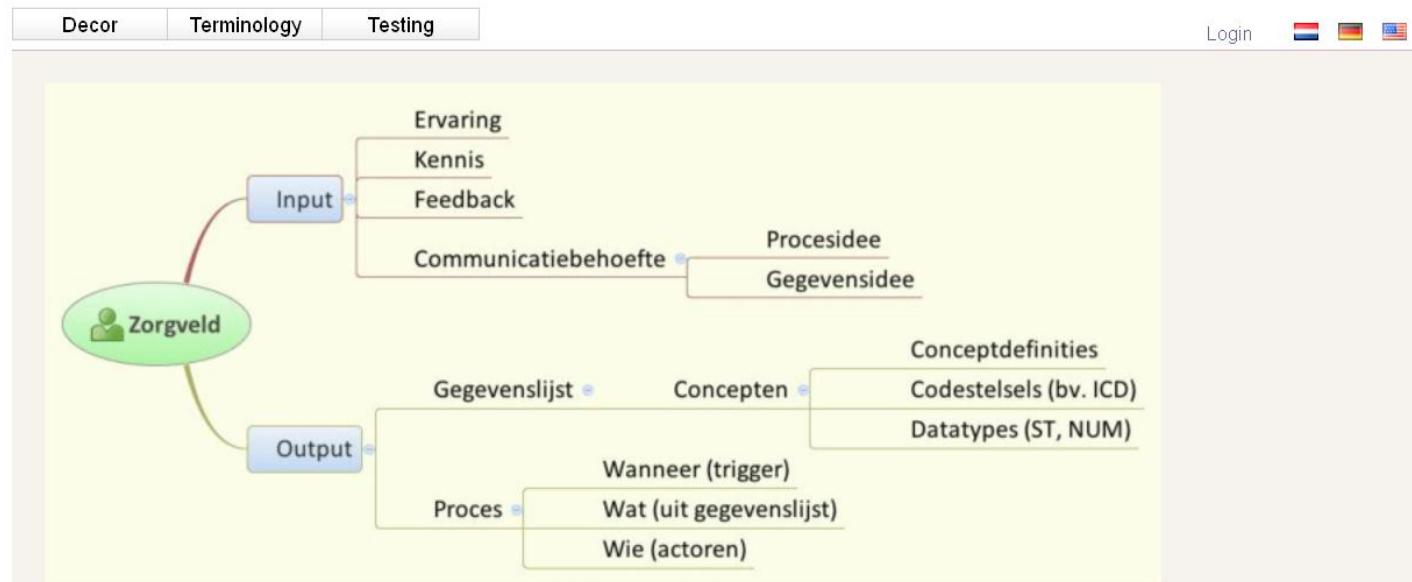
Better healthcare
through better IT



- Tool: Art-decor (Advanced Requirements Tooling)
- More terminology explorers → one database
- Datasets with value sets → terminology
- HL7 mapping

Advanced Requirements Tooling

Betere zorg
door betere informatie



Demo

- Search in SNOMED CT
- Search in diagnosis list, link to SNOMED CT
- Search in ISO 9999, search in English and Dutch
- [Demo](#)

Whats next

- Adding more terminology explorers:
 - National Extension
 - Reference sets with specific purposes
 - Physical therapists ICF in combination with SNOMED CT
 - Optometric data: SNOMED CT with Dutch synonyms
- Open source:
 - Disposal of search and find modules to integrate in software
 - Subscription to updates of data
- Development: filtering
- Always in development: Comments about the terminology explorers are very welcome!

Wrap up

- Terminology explorer shows terms and their definition of a specific terminology
- Terminology Explorers offer
 - Introduction
 - Notion
 - Awareness

Questions?

Links:

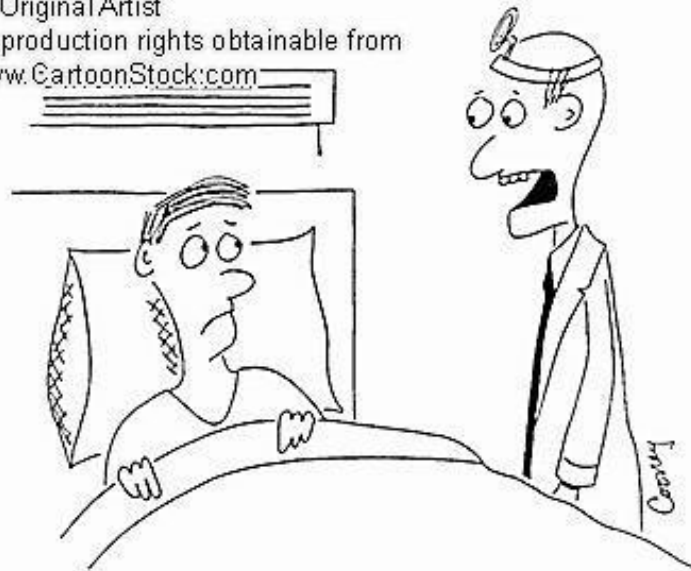
Advanced requirements tool
<http://decor.nictiz.nl/art-decor/home>

SNOMED CT Explorer
<http://terminologie.nictiz.nl>

Elze de Groot
Consultant

www.nictiz.nl

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"I've never been very big on medical terminology
so just let me say you're really sick."