



**Arabella D'Havé**

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Datamanagement DG-GS FOD VVVL

The poster features the logos of ISV and NVKVV at the top left. The main title is '20<sup>e</sup> Colloquium' in a large blue font, followed by the subtitle 'Automatisering en zorgverlening' and 'ICT en gezondheidszorg Solutions for Care'. Below this is a blue banner with the text 'Congresprogramma'. The central part of the poster is a green area containing a diagram of a central cross with four arrows pointing outwards, surrounded by various healthcare and technology terms: 'Innovatieve technologieën', 'Geestelijke gezondheidszorg', 'Eerstelijnszorg', 'eGezondheid', 'EPD', 'Terminologie', 'Indicatoren', 'Snomed', 'Accreditatie', 'Patiënt-veiligheid', 'Medicatie-beheer', 'Ouderenzorg', and 'HRM'. A blue circle labeled 'ICT4care' is positioned at the bottom right of the diagram. At the bottom of the poster, a blue banner contains the date 'Donderdag 26 mei 2016', the organizing group 'Werkgroep informatiesysteemverpleegkundigen', the website 'www.nvkvisv.be | www.isvcongres.be', and the location 'De Montil - Affligem'.

## Colloquium ICT & gezondheidszorg 2016 Solutions for Care

### SESSIE N ACCREDITATIE: INDICATOREN EN TERMINOLOGIE



# Inhoud

Terminologie en  
accreditatie

SNOMED CT in België

Licenties

Opleiding

User Board Early  
Adopters

Nationale extensie

Lopende projecten

Terminologiedag

Meer weten



# Terminologie en accreditatie



- **Kwaliteitsdynamiek ondanks budgettaire druk**
  - Groot aantal ziekenhuizen bereiden accreditatieproject voor
  - Sterke participatie aan VIP<sup>2</sup>-project
- **Kwaliteitszorg verankeren kan niet zonder passende reglementaire en financiële verankering**
  - Kwaliteitsindicatoren integreren in erkennings- en financieringsbeleid
  - “Maak het mogelijk om kwaliteitsindicatoren te ontwikkelen en af te leiden uit het zorgproces door het gebruik van een gemeenschappelijke gestructureerde taal, zonder bijkomende registraties” (Vandijck, D. et al., 2015)

Vandijck, D. et al., 2015. Kwaliteit structureel en duurzaam verankeren in de ziekenhuisfinanciering, ICURO, p.15,



# Inhoud



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# SNOMED CT in België



AP1 >



AP2 >

Ziekenhuis-EPD



AP3 >

Medioloos inschets



AP4 >

Elektronisch voorschrift



AP13 >

Standaarden en terminologiebeleid



het systeem hubs & metahubs en universitaire



AP6 >

Deeln in samen te werken



AP7 >

Psychiatrische en andere instellingen en het systeem hubs & metahubs



AP8 >

Invoeren van een uniform evaluatie-instrument (BeIRA)



AP9 >

"Incentives voor Gebruik"



AP10 >

Toegang tot de gegevens door de patiënt (PHR)



AP11 >

Communicatie



AP12 >

Opleiding en ICT-ondersteuning van zorgverstrekkers



AP13 >

Standaarden en terminologiebeleid



AP14 >

MyCareNet



AP15 >

Administratieve vereenvoudiging



AP16 >

Traceerbaarheid van de implantaten en van de geneesmiddelen



AP17 >

Veralgemeend gebruik van de eHealthBox en gegevens van zorgverstrekkers beschikbaar in CoBRHA



AP18 >

Inventarisatie en consolidatie van registers



AP19 >

Mobile Health



AP20 >

Governance, roll out en monitoring e-Gezondheid

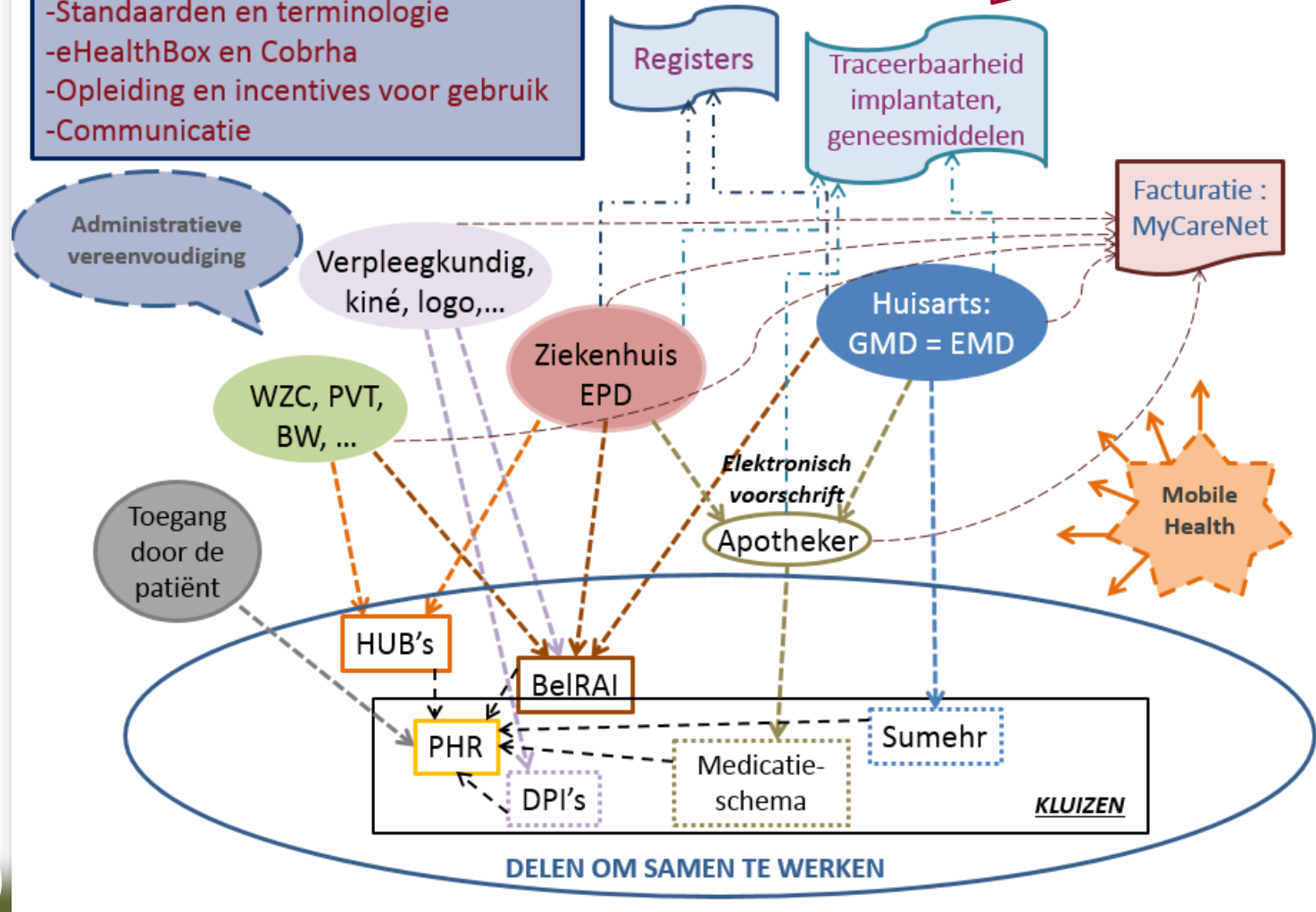
[Bekijk alle actiepunten](#)



# SNOMED CT in België

Actualisatie Actieplan e-gezondheid 2013-2018

- Ondersteunende maatregelen:
- Standaarden en terminologie
  - eHealthBox en Cobrha
  - Opleiding en incentives voor gebruik
  - Communicatie



Bron: Van Der Brempt, I. (2016) Causerie e-Santé, SPF, p.31

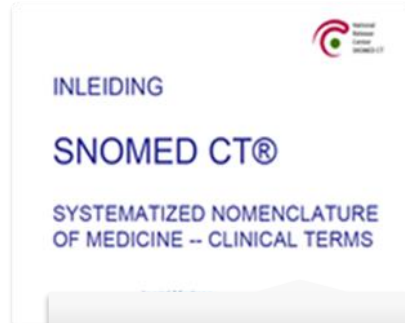




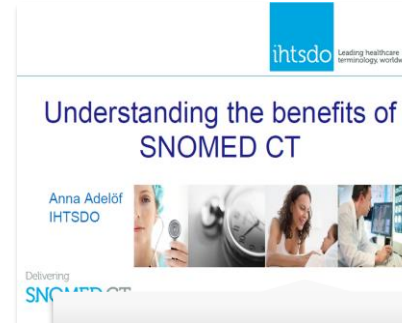
# SNOMED CT in België



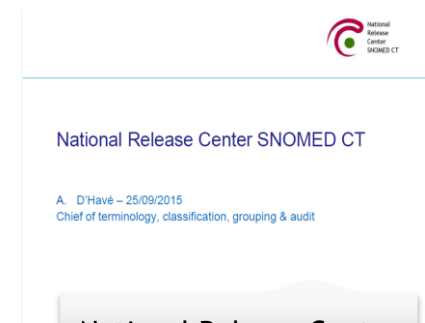
Link Actieplan e-gezondheid 2013-2018



Inleiding SNOMED CT



Voordelen SNOMED CT



National Release Center SNOMED CT



Implementatie EPD Mapping SNOMED CT en ICD-10-CM



Mapping SNOMED CT en VG-MZG



Implementatie SNOMED CT in EPD



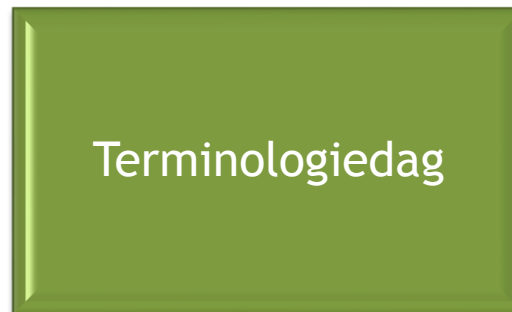
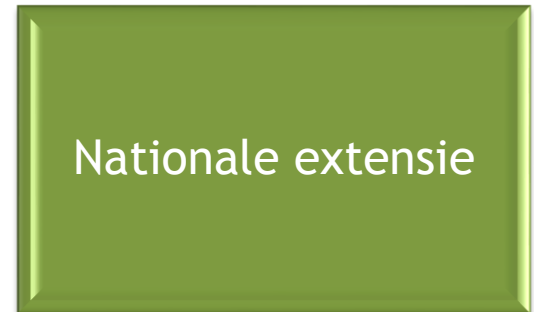
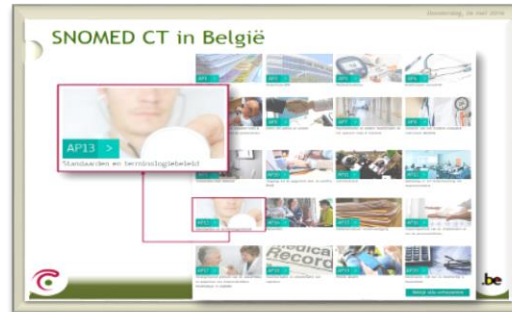
Van ICPC-2 naar SNOMED CT in eerstelijns

Terminologiedag 25/09/2015





# Inhoud



# Licenties



[Home](#) [Release Packages](#) [Language](#) ▾ [Login](#) ▶

## Member Licensing and Distribution Service

Welcome

> This service is provided by IHTSDO for organizations and individuals to request use and access to the International Release of SNOMED CT for use in non-Member countries.

> For further details, please refer to the [IHTSDO website](#) or the [Frequently Asked Questions](#).

[Register](#)

or [login here](#)

<https://mlds.ihtsdotools.org/#/landing>



# Licenties

Agreement Type	Count	%
Individual - Research	9	8,7%
Individual - Personal	4	3,9%
Individual - Healthcare Provider	4	3,9%
Individual - Educational	4	3,9%
Academic - Educational	1	1,0%
Academic - Research	7	6,8%
Academic - Development	9	8,7%
Academic - Healthcare Provider	29	28,2%
Commercial - Vendor	5	4,9%
Commercial - Development	19	18,4%
Commercial - Research	2	1,9%
Commercial - Healthcare Provider	1	1,0%
Other	9	8,7%
<i>Application not completed</i>	1	1,0%
<b>Total Affiliates</b>	<b>104</b>	




# Licenties


## SNOMED CT International Edition

SNOMED CT International Edition release packages

**Latest:** January 2016 v1.1

**Published on:** 2016-01-31

 [SnomedCT\\_RF1CompatibilityPackage\\_INT\\_20160131.zip](#)

 [SnomedCT\\_RF1Release\\_INT\\_20160131.zip](#)

 [SnomedCT\\_RF2Release\\_INT\\_20160131.zip](#)

## GP/FP Reference Sets and SNOMED CT to ICPC2 Map

The SNOMED CT International General/Family Practice Reasons for encounter and Health issues subset, and the map from this subset to the International Classification of Primary Care (ICPC-2).

**Latest:** January 2016 SNOMED CT GP/FP Reference Sets and SNOMED CT to ICPC-2 Map Edition

**Published on:** 2016-04-14

 [SnomedCT\\_GPFPIPC2\\_Production\\_INT\\_20160131.zip](#)

## SNOMED CT to ICNP Cooperative Project

The International Classification of Nursing Practice (ICNP) to SNOMED CT products, including both:

- Nursing diagnoses (problems) equivalency table
- Nursing interventions equivalency table

**Latest:** January 2016 SNOMED CT to ICNP (Interventions) Edition

**Published on:** 2016-04-14


 [SnomedCT\\_ICNPInterventionsRelease\\_Production\\_INT\\_20160131.zip](#)

## Resources

Files that until December 2014 were part of a release of the SNOMED CT International Edition, and that have now been transitioned into their own, permanent packages.

**Latest:** SNOMED CT Navigation Subsets

**Published on:** 2015-01-01

 [SNOMED\\_CT\\_Navigation\\_Subsets.zip](#)

**Latest:** SNOMED CT Bridge File Resource Package

**Published on:** 2015-01-01

 [SNOMED\\_CT\\_Bridge\\_File\\_Resource\\_Package.zip](#)

**Latest:** SNOMED CT RF2 to RF1 Conversion Package

**Published on:** 2015-01-01

 [SNOMED\\_CT\\_RF2\\_to\\_RF1\\_Conversion\\_package.zip](#)


**Latest:** SNOMED CT Duplicate Terms Subset

**Published on:** 2015-01-01

 [SNOMED\\_CT\\_Duplicate\\_Terms\\_Subset.zip](#)

**Latest:** SNOMED CT Ordered Type Reference Set

**Published on:** 2015-01-01

 [SNOMED\\_CT\\_Ordered\\_Type\\_Reference\\_Set.zip](#)

**Latest:** SNOMED CT LOINC Integration File

**Published on:** 2015-01-01

 [SNOMED\\_CT\\_Loinc\\_Integration\\_File.zip](#)



# Licenties

Release File Downloads		104
label		Count
	SNOMED_CT_Bridge_File_Resource_Package.zip	4
	SNOMED_CT_Duplicate_Terms_Subset.zip	1
<b>LOINC</b>	SNOMED_CT Loinc Integration File.zip	4
	SNOMED_CT_Navigation_Subsets.zip	10
	SNOMED CT Ordered Type Reference Set.zip	5
<b>ICPC-2</b>	SnomedCT_GFPICPC2_Baseline_INT_20150930.zip	20
	SnomedCT_GFPICPC2_Production_INT_20160131.zip	7
<b>ICNP</b>	SnomedCT_ICNPDiagnosesRelease_Production_INT_20160131.zip	3
	SnomedCT_ICNPInterventionsRelease_Production_INT_20160131.zip	2
	SnomedCT_ICNPRelease_Baseline_INT_20150901.zip	4
	SnomedCT_RF1CompatibilityPackage_INT_20160131.zip	9
	SnomedCT_RF1Release_INT_20150131.zip	12
	SnomedCT_RF1Release_INT_20150731.zip	23
	SnomedCT_RF1Release_INT_20160131.zip	16
	SnomedCT_RF2Release_INT_20150131.zip	23
	SnomedCT_RF2Release_INT_20150731.zip	26
	SnomedCT_RF2Release_INT_20160131.zip	19
	SnomedCT_Release_INT_20140731.zip	3

**RF1 = End of Life !**



# Licenties - Use cases - enkele voorbeelden

Usage Context Information **NLP**

**Current Usage:** Research on Natural Language Processing of medical text  
**Planned Usage:** Research on Natural Language Processing of medical text  
**Purpose:** Automatic filling of database from medical narratives  
**Implementation Status:** In Progress/Development

Usage Context Information **Clinical annotation**

**Current Usage:** Integration in our EPR.  
**Planned Usage:** Integration in our EPR.  
**Purpose:** Integration in our EPR.  
**Implementation Status:** In Progress/Development

Usage Context Information **EPR**

**Current Usage:** To be used for research purpose with possibility of its application for clinical annotation.  
**Planned Usage:** To be used in development of a clinical phenotypic annotation database developed as part of a research project.  
**Purpose:** Providing opportunity for use of controlled vocabulary structure for clinical annotation purpose.  
**Implementation Status:** In Progress/Development

Usage Context Information **Discharge Summary**

**Current Usage:** Hospitalization discharge summary application  
**Planned Usage:** Hospitalization discharge summary application  
**Purpose:** Hospitalization discharge summary application  
**Implementation Status:** In Progress/Development

Usage Context Information **EU Research**

**Current Usage:** Usage for research purposes only within EU research projects (FP7 & IMI).  
**Planned Usage:** Usage of SNOMED in software provided by Custodix. This software allows people to store medical data encoded in SNOMED. The user interface foresees this data to be queried based on the SNOMED terminology. In no way does the application allow the SNOMED CT terminology to be extracted from the applications. In previous contacts with IHTSDO where the planned usage was described in detail, it was confirmed that the planned usage in a European wide setting is permitted under the Belgian membership (and comes at no additional cost from IHTSDO) include encoding of data with SNOMED or require SNOMED terms to be looked up.  
**Purpose:** The software provides a user-interface for exploring clinical data in a clinical data warehouse. The software also allows several clinical data warehouses to be queried at once.  
**Implementation Status:** In Progress/Development

Usage Context Information **EHR**

**Current Usage:** SNOMED CT based EHR development  
**Planned Usage:** SNOMED CT based EHR use  
**Purpose:** In Hospital use and mapping with GPs for patient information exchange (SUMEHR)  
**Implementation Status:** In Progress/Development

Usage Context Information **Mapping to VG-MZG**

**Current Usage:** Development of the mapping of Snomed CT to minimum nursing data set.  
**Planned Usage:** Evaluation and validation of the Snomed CT nursing subset  
**Purpose:** Implementation of the Snomed CT Nursing in the Leuven Hospital Network (21 of the 120 Belgian Hospitals)  
**Implementation Status:** In Progress/Development

Usage Context Information **Healthdata.be**

**Current Usage:** Currently, SNOMED-CT is not used by healthdata.be.  
**Planned Usage:** SNOMED-CT will be preferred terminology in data collection definitions of the national health research systems platform, healthdata.be  
**Purpose:** As the national health research systems platform, healthdata.be has the objective to reduce administrative burden by adopting the "only once" principle: SNOMED-CT is a key element in this approach.  
**Implementation Status:** In Planning Stage

Update 2016 zal gevraagd worden



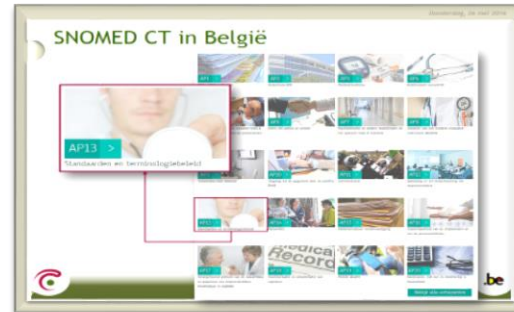
# Voorgangers SNOMED CT

- **SNOMED CT werd uitgebracht in Januari 2002. en vervangt alle voorgaande versies**
  - SNOP
  - SNOMED 2
  - SNOMED 3.x (ook gekend als SNOMED International)
  - SNOMED RT (Reference Terminology)
- **Conversies naar SNOMED CT dienen te gebeuren vóór 26 April 2017.**
  - Conversiemethodologie:  
<http://www.health.belgium.be/nl/terminologie-en-codestelstels-snomed-ct>





# Inhoud



Agreement Type	Count	%
Individual - Research	9	8,7%
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Opleiding

User Board Early Adopters

Nationale extensie

Lopende projecten

Terminologiedag

Meer weten



# Opleiding

## SNOMED CT Foundation Course

- The objective is to extend the depth and breadth of knowledge of SNOMED CT in the global community at a relatively basic level.
- It also enables those who complete this course to join more advanced SNOMED CT E-Learning courses.

## SNOMED CT Implementation Course

- The objective is to provide an understanding of SNOMED CT that is sufficient for those engaged in various parts of the implementation process.
- Successful completion of the SNOMED CT Foundation Course is a prerequisite

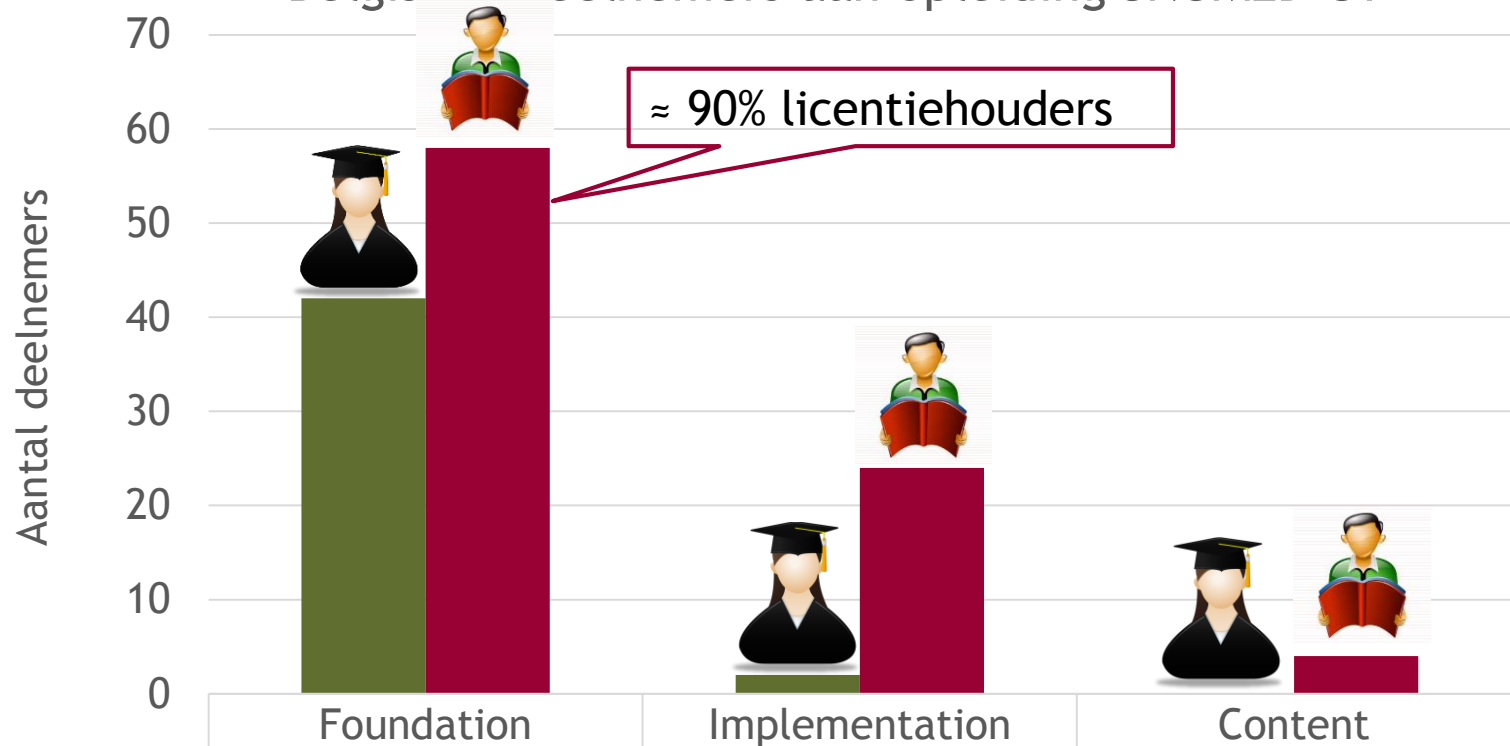
## SNOMED CT Content Development Course

- The objective is to help NRCs that are developing or planning to develop a National Extension.
- Successful completion of the SNOMED CT Foundation Course is a prerequisite



# Opleiding

Belgische deelnemers aan opleiding SNOMED CT



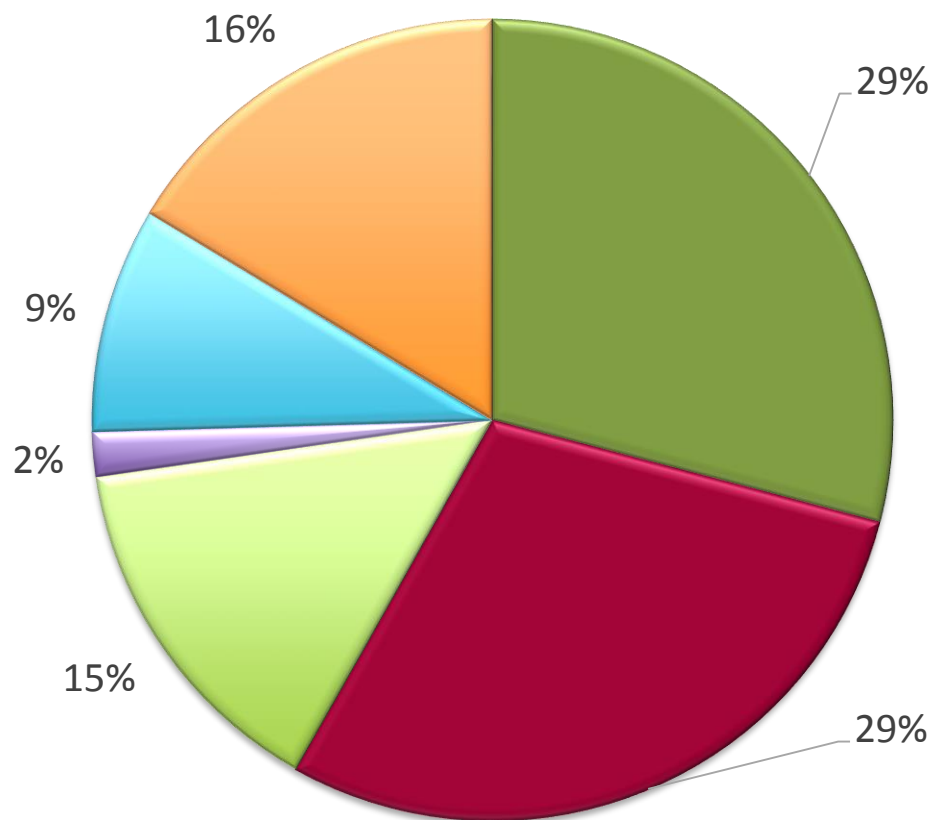
■ Alumni	42	2	0
■ Niet-Alumni	58	24	4



# Opleiding

Resultaten voor de Foundation Course (België)

■ A+ ■ A ■ B ■ C ■ In Progress/Not completed ■ Not Started



# Inhoud



### SNOMED CT in België

AP13

Standardiseren en versimpelingswerkzaamheden

### Licenties

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User Board Early Adopters

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# User Board - Early Adopters (UBEA)

## Implementation workshops



- Not intended as training sessions or discussion groups
- Exchange of experiences and lessons learned
- Support of effective implementation efforts
- Doodle will be sent to Affiliates for kick-off meeting

D'Havé, A. (2015) National Release Center SNOMED CT, FOD VVVL, p. 29

- Aanstelling Projectleider: Dirk Plasschaert (2016)
- Verkenningsronde met Early Adopters
- Eerste meeting UBEA 10/06/2016
- Tweede meeting UBEA 01/07/2016
  - Voor wie reeds een concreet SNOMED CT implementatieproject lopende heeft
- Projectplan 2016-2017
- Vertaling en subsets

**LEAD BY  
EXAMPLE**



# Inhoud

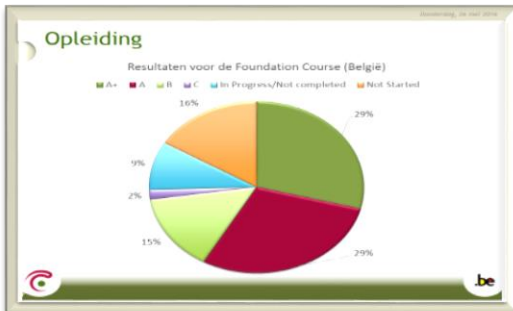


### SNOMED CT in België

AP13 > Standardiseren en Verrijken van Gegevens

### Licenties

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### User Board - Early Adopters (UBEA)

Implementatielocatie: Leuven-hofopvang

- First implementation in training institutions or educational settings
- Exchange of experiences and lessons learned
- Support of effective implementation efforts
- Example will be used by affiliates for knowledge transfer

D'Hare, A. (2015) National Release Center SNOMED CT, FOD VVVL, p. 29

- Aanstelling Projectleider: Dirk Plasschaert (2016)
- Verkenningronde met Early Adopters
- Eerste meeting UBEA 10/06/2016
- Tweede meeting UBEA 01/07/2016
  - Voor wie reeds een concreet SNOMED CT implementatieproject lopende heeft
- Projectplan 2016-2017
- Vertaling en subsets

**LEAD BY EXAMPLE**

Nationale extensie

Lopende projecten

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Meer weten





# Nationale extensie

- **Alpha release**

- BE\_Extensie\_1507\_Alpha.zip
- Verdeeld naar gelicentieerden (25/09/2016)

- + Allergies (2016)
- + Kaizer Permanente CORE (2016)
- + Toedieningsweg (2016)
- + Substanties (2016)
- + SNOMED CT naar ISO 3950:2009 (tooth designation)

## Specialismen en disciplines

Oncology	Orthopedics Extremities	Cardiology	Injuries
History	Orthopedics Non-Extremities	Common Lab Procedures	Sample taking
Mental Health	Orthopedics	Emergency	Sample taking site
Musculoskeletal	Pediatrics	Endocrino/Uro/ Nephro	Ophtalmology
Neurology	Primary Care	Gastro/Entero/ InfectiousDiseases	Injuries Combined
OBGYN	Skin/Dermato/ Respiratory	<b>Nursing</b>	<b>Functioning</b>

D'Havé, A. (2015) National Release Center SNOMED CT, FOD VVVL, p. 22



# Nationale extensie

- **Alpha release:**

- BE\_Extensie\_1507\_Alpha.zip
- Verdeeld naar gelicentieerden (25/09/2016)

Auditory System	Urinary System	Mediastinum And Diaphragm	Female Genital System
Cardiovascular System	Hemic And Lymphatic System	Muskuloskeletal System	Maternity And Delivery
Digestive System	Integumentary System	Nervous System	
Endocrine System	Intersex	Neuro And Neuromusc	
Eye And Adnexa	Male Genital System	Respiratory System	

D'Havé, A. (2015) National Release Center SNOMED CT, FOD VVVL, p. 22

Procedures

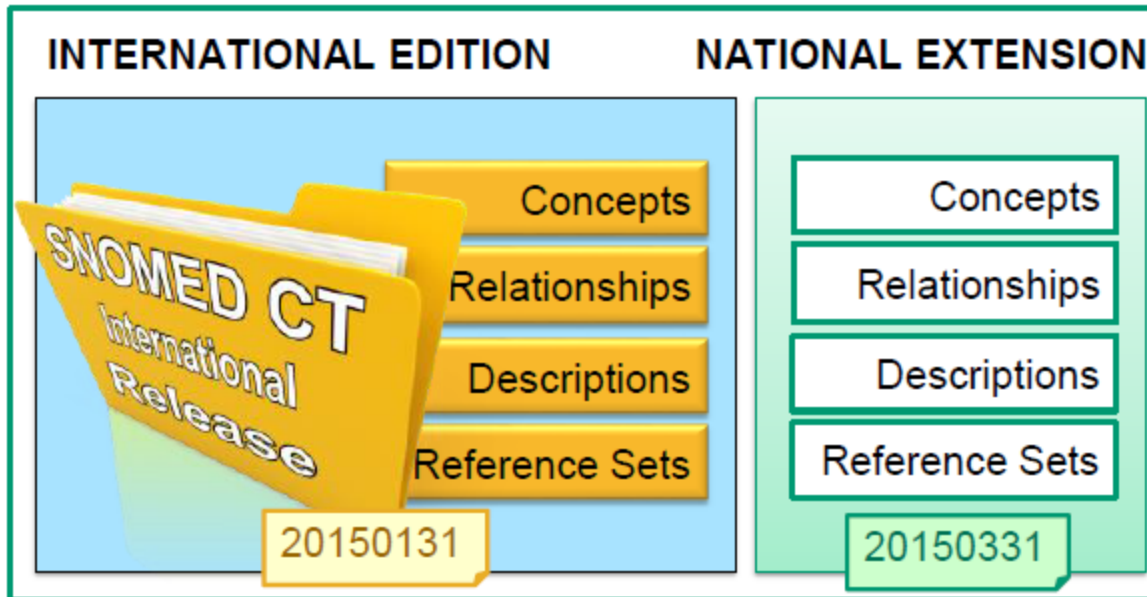


# Nationale extensie

AN IHTSDO MEMBER  
(COUNTRY)

- Includes content outside the scope of the international release, which is necessary for national conformance and interoperability.

**NATIONAL EDITION**



# Nationale extensie

- **Stand van zaken vertaling**

- Samenwerking met de UBEA (User Board Early Adopters)
- Subsidiedossier IHTSDO: zo herinvesteren mogelijk is
- Nederlands:
  - 37.233: te valideren vertalingen
  - 22.214 : gevalideerde vertalingen
  - 6.310: gevalideerde synoniemen
- Frans
  - 90.000 te valideren vertalingen

+ bijdragen Nederland  
+ bijdragen Frankrijk

- **Drug Extensie (BCFI)**

- Subset toedieningsweg
- Subset Substanties

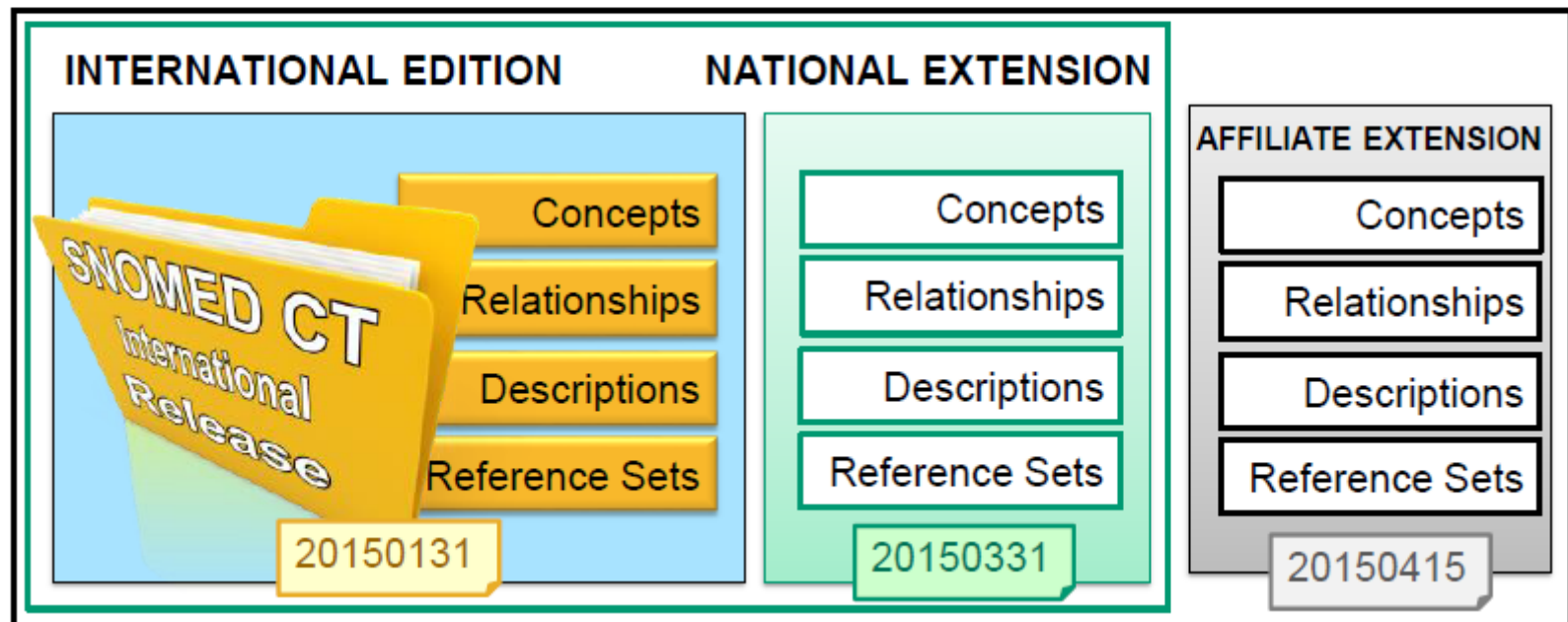


# Affiliate Extension - Drug Extension (BCFI)

AN IHTSDO AFFILIATE  
(ORGANIZATION)

- Includes content outside the scope of the international and national releases, which is necessary for local requirements.

## AFFILIATE EDITION

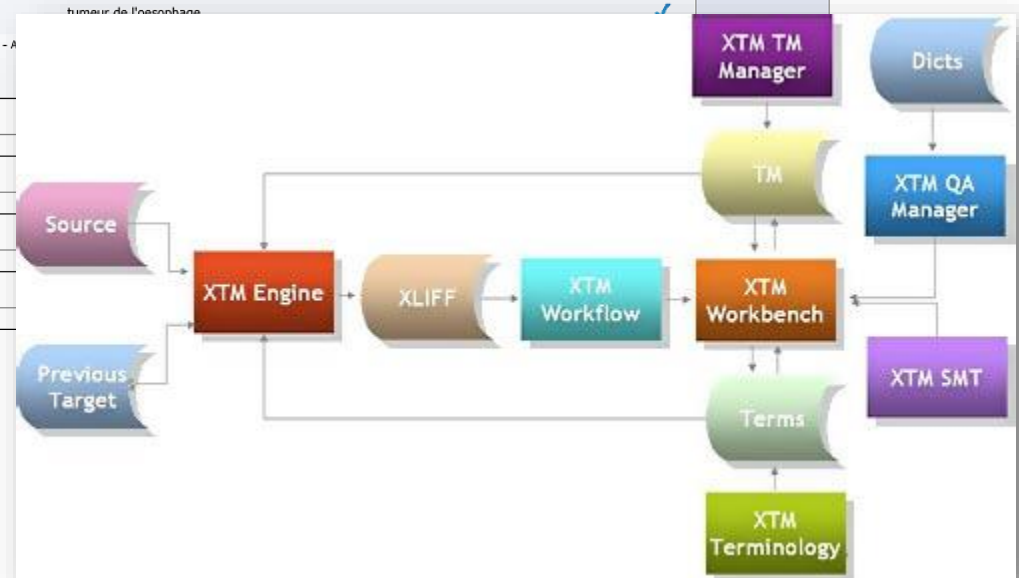


# Nationale extensies

Richtlijnen voor vertalen  
Tussentijdse oplossing

No.	id	English (UK)	French (Belgium)	Status
1	101013	Neoplasm of anterior aspect of epiglottis ID: 126813005	tumeur de la face antérieure de l'épiglotte	1 I
2	102018	Neoplasm of junctional region of epiglottis ID: 126814004	Neoplasm of junctional region of epiglottis	1 U
3	103011	Neoplasm of lateral wall of oropharynx ID: 126815003	tumeur de la paroi latérale de l'oropharynx	1 I
4	104017	Neoplasm of posterior wall of oropharynx ID: 126816002	tumeur de la paroi postérieure de l'oropharynx	1 I
5	105016	Neoplasm of esophagus ID: 126817006	tumeur de l'oesophage	1 I
6	106015	Neoplasm of cervical esophagus ID: 126818001	Neoplasm of cervical esophagus	1 M
		Fuzzy match 80% - Approved		
		Source: Neoplasm of cervical esophagus	tumeur de l'oesophage	
7	107012	Neoplasm of thoracic esophagus ID: 126819009		
		Fuzzy match 75% - A		
8	108019	Neoplasm of abdominal esophagus ID: 126820003		
		Source: Primary-malignant-neoplasm Neoplasm of cervical esophagus		
9	110017	Neoplasm of middle third of esophagus ID: 126822006		
10	111018	Neoplasm of lower third of esophagus ID: 126823001		

Vertaling  
Crowdsourcing  
Q&A Quality Assurance  
Workflow  
UBEA



# Nationale extensies

Normal form transformation

Reference set / subset creation

Intensional refset creation

Terminology authoring

Incremental reasoning

Task-based authoring

Automatic pre-coordination

Terminology maps

Scripting support

Workflow service integration

Custom subset exports

Post-coordination

Collaborative authoring

Complete SNOMED CT RF2 support

Scripting support

Semantic query evaluation

Distributed authoring

Semantic difference computation

Independent work branches

## e-Procurement

Patches on versions

Version comparison

Support for non-OWL API reasoners

RF2 full, snapshot & delta import/export

Work-in-process isolation

Version creation



1

2

3

4

5

6

7

Understand the **business need** and make the case for sustainable options

Develop **category** strategies that incorporate sustainability opportunities

Identify potential **suppliers** that could meet sustainability requirements

Create a sourcing **strategy** that includes specific requirements

**Negotiate** and select competitive suppliers that meet the requirements

Finalize **contract** with sustainability requirements and objectives

Manage supplier **performance** and develop collaborative effects to improve impacts

SNOMED CT RF1 & RF2 publication

Plug-and-play any Protege reasoner

Reasoner job execution framework

Task management integration

Dynamic concept model

Intelligent lexical searches

Unlimited terminologies

Custom subset export formats

Programmatic refset generation

Reference set comparison

Published and unpublished content





# Inhoud

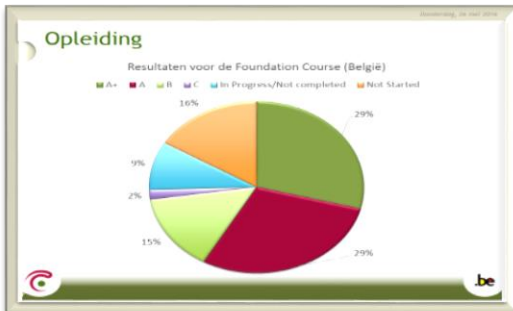


### SNOMED CT in België

AP13 > Standarden en Verwijzingsbeelden

### Licenties

Agreement Type	Count	%
Individual - Research	8	8,7%
Individual - Personal	4	3,9%
Individual - Healthcare Provider	4	3,9%
Individual - Educational	1	1,0%
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Commercial - Healthcare Provider	1	1,0%
Other	3	2,7%
Application not completed	7	6,8%
<b>Total Affiliates</b>	<b>104</b>	



### User Board - Early Adopters (UBEA)

Implementatiemethoden voor het succes

- First introduction via training, meetings or other educational activities
- Exchange of experiences and lessons learned
- Support of effective implementation efforts
- Example will be used by affiliates for local roll out

D'Hare, A. (2015) National Release Center SNOMED CT, FOD VVVL, p. 29

- Aanstelling Projectleider: Dirk Plasschaert (2016)
- Verkenningronde met Early Adopters
- Eerste meeting UBEA 10/06/2016
- Tweede meeting UBEA 01/07/2016
  - Voor wie reeds een concreet SNOMED CT implementatieproject lopende heeft
- Projectplan 2016-2017
- Vertaling en subsets

**LEAD BY EXAMPLE**

### Affiliate Extension - Drug Extension (BCFI)

AN IHTSDO AFFILIATE (ORGANIZATION)

Includes content outside the scope of the international and national releases, which is necessary for local requirements.

**AFFILIATE EDITION**

INTERNATIONAL EDITION	NATIONAL EXTENSION	AFFILIATE EXTENSION
<ul style="list-style-type: none"> <li>Concepts</li> <li>Relationships</li> <li>Descriptions</li> <li>Reference Sets</li> </ul> 20150131	<ul style="list-style-type: none"> <li>Concepts</li> <li>Relationships</li> <li>Descriptions</li> <li>Reference Sets</li> </ul> 20150331	<ul style="list-style-type: none"> <li>Concepts</li> <li>Relationships</li> <li>Descriptions</li> <li>Reference Sets</li> </ul> 20150415

Lopende projecten

Terminologiedag

Meer weten



# Lopende projecten

## • Mapping

- Mapping SNOMED CT naar ICD-10-CM (US, BE)
- Mapping SNOMED CT naar ICD-10-PCS (BE, US, PT, ES)
  - Verschillende benaderingen uitgewerkt
    - **GEM based map + Lexical matching (BE, US)**
    - **Attribute map (ES)**
    - **Post-coordination (BE)**

00BP4ZX

129125009 | Procedure with explicit context | :{408731000 | Temporal context | =410512000 | Current or specified | ,363589002 | Associated procedure | =(65801008 | Excision | :363704007 | Procedure site | =21161002 | Ninth cranial nerve | ,363703001 | Has intent | =261004008 | Diagnostic intent | , 425391005 | Using access device | =37270008 | Endoscope | ,260507000 | Access | =103388001 | Percutaneous approach | ),408732007 | Subject relationship context | =410604004 | Subject of record | ,408730004 | Procedure context | =385658003 | Done | }



# Lopende projecten

- **Mapping**
  - SNOMED CT naar InterRai (NZ, BE)
    - 2 onafhankelijke cross-walks voltooid
    - 1 beoordeling door Map-Lead
  - SNOMED CT naar NIC
    - Enkel voor NIC-gelicentieerden
  - SNOMED CT naar VG-MZG (UZ Leuven)
  - SNOMED CT naar ISO 3950:2009 (tooth designation)
  - Mapping Thesaurus AntiGifCentrum

## Maps Available from IHTSDO

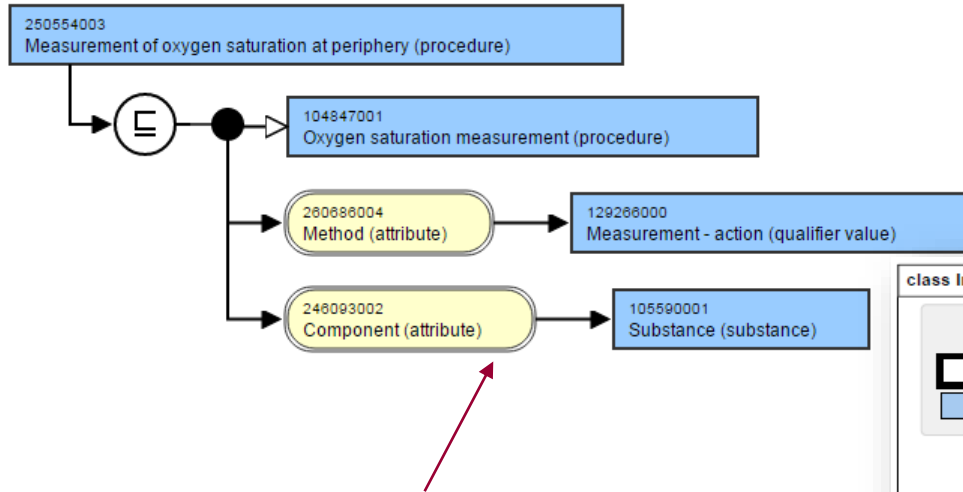
---

- ICD-10
  - International version of map
- ICD-10-CM
  - Developed by NLM based on international ICD-10 map
- ICD-9-CM
  - Legacy map available from IHTSDO and NLM
- ICD-O-3
  - Oncology classification
- ICPC2
  - Primary care
- ICNP
  - International Classification of Nursing Practice

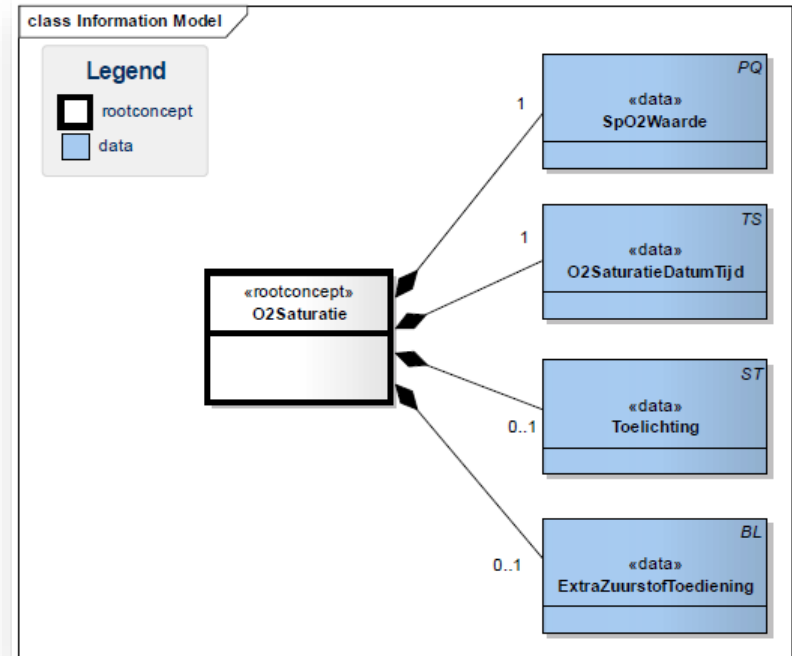


# Lopende projecten

Het meten en bewaken van de zuurstofsaturatie vindt plaats om de oxygenatie, ofwel de hoeveelheid gebonden zuurstof in het slagaderlijke bloed, te monitoren.



Het element bevat de waarde van de indirect, perifeer gemeten O<sub>2</sub>-saturatie. De O<sub>2</sub>-saturatie geeft in % de mate aan waarin de hemoglobine in het bloed verzadigd is met zuurstof, de ratio van oxy-hemoglobine en hemoglobine. De meting wordt uitgevoerd op plaatsen waar de huid voldoende licht doorlaat, zoals een vinger, teen of oorlel.



# Lopende projecten

Begeleide B4-projecten

**Implementatie van SNOMED CT in het EPD: secundair gebruik van data voor ICD-10-BE**  
25/09/2015  
zna

**Experiences with the Belgian Subset: development of the Erasme subset**  
Olivier Le Moine, MD, PhD  
Department of Gastroenterology  
Deputy Medical Director for IT  
Hôpital Erasme, Brussels Belgium

**Studiedag "SNOMED CT: Klare taal!"**  
Mapping van SNOMED CT naar VG-MZG:  
Proof of concept in UZ Leuven  
Koen Balmans  
2015-09



**Implementatie van SNOMED CT in Het EPD**  
Secundair gebruik van data voor ICD-10-BE  
Beperkt aantal disciplines



**Implementatie van SNOMED CT in een gestructureerd EPD**  
Volledige uitrol  
Secundair gebruik van data voor ICD-10-BE  
Medewerking vertaling



**Secundair gebruik van data voor VG-MZG**  
Rule based complex map



# Projecten in de pijplijn

- SUMEHR/KMEHR
- IBUI
- Spoedregistraties
- Globale visie: Actieplan 2016-2017

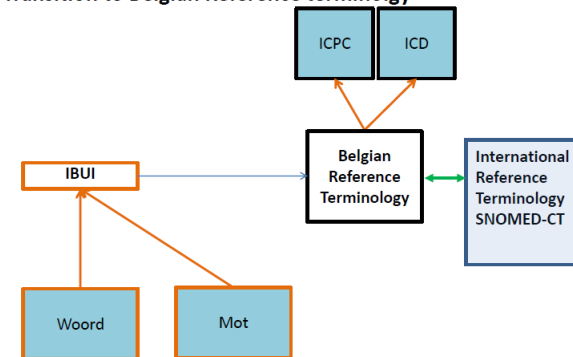
Transition from ICPC-ICD based registration to a multi-terminology registration based on SNOMED CT in primary care

Diego Schrans  
Robert Vander Stichele  
Nicolas Delvaux



KU LEUVEN

Transition to Belgian Reference terminology



# Inhoud

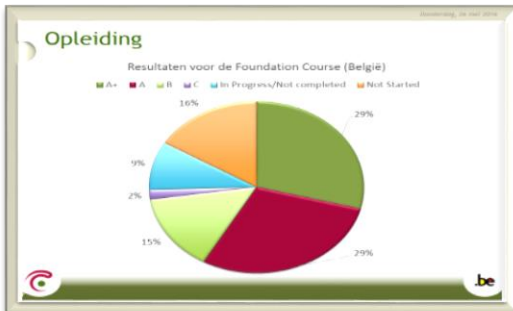


### SNOMED CT in België

AP13 > Veranderen en bevestigingsafbeeld

### Licenties

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Individual - Research	8	8,7%
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Application not completed	7	6,8%
<b>Total Affiliates</b>	<b>104</b>	



### User Board - Early Adopters (UBEA)

Implementatielocatie overblikking

- Niet implementatie van training, monitoren en uitvoeringsplanning
- Exchange van implementatie en/of feedback informatie
- Support van affiliate implementatielocatie
- Eindhoven will be used for Affiliates for local roll out meeting

D'Hare, A. (2015) National Release Center SNOMED CT, FOD VVVL, p. 29

- Aanstelling Projectleider: Dirk Plasschaert (2016)
- Verkenningronde met Early Adopters
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  - Voor wie reeds een concreet SNOMED CT implementatieproject lopende heeft
- Projectplan 2016-2017
- Vertaling en subsets

**LEAD BY EXAMPLE**

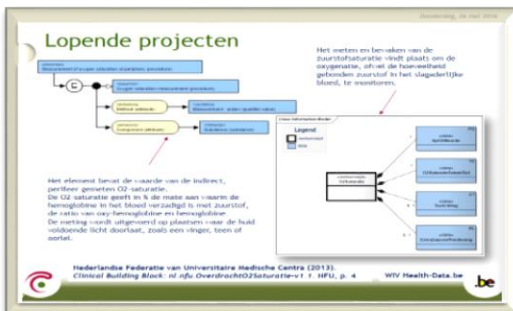
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AFFILIATE EDITION

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Meer weten





# Terminologiedag 2016



- Datum: vrijdag 23 september 2016
- Lokatie: Passage44, Brussel
- Programma: Loinc & SNOMED CT, Drug Extension, Nationale Extensie, Vertalingen, maps, implementatieprojecten,...
- Inschrijvingen: online via de website
- Kost: gratis

Terminologiedag 23.09.2016 Verzenden

\*Voornaam

\*Familiennaam

\*E-mailadres

\*Bevestig je e-mailadres

\* Gelieve te kiezen uit onderstaande lijst

\* Functie

\* Bent u momenteel bezig met een SNOMED CT implementatie-project?



# Inhoud

### Terminologie en accreditatie

- Kwaliteitsdynamiek ondanks budgettaire druk**
  - Groot aantal ziekenhuizen bereiden accreditatieproject voor
  - Sterke participatie aan VIP2-project
- Kwaliteitszorg verankeren kan niet zonder passende reglementaire en financiële verankerung**
  - Kwaliteitsindicatoren integreren in erkennings- en financieringsbeleid
  - "Maak het mogelijk om kwaliteitsindicatoren te ontwikkelen en af te leiden uit het zorgproces door het gebruik van een gemeenschappelijke gestructureerde taal, zonder bijkomende registraties" (Vandijck, D. et al., 2015)

Vandijck, D. et al., 2015. Kwaliteit structureel en duurzaam verankeren in de ziekenhuisfinanciering. ICURO, p.15.

### SNOMED CT in België

AP13 >

Verbinding met Verrekeningsbeleid

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### Opleiding

Resultaten voor de Foundation Course (België)

Legend: A+, A, B, C, In Progress/Not completed, Not Started

### User Board - Early Adopters (UBEA)

Implementatielidder overhoofden

- Niet inderechten van leerling, mentor(en) of afnemers(en) krijgen
- Exchange van ervaringen en/of best practices bevoorrecht
- Support van affiliate implementatielidder offerte
- Ervarenie wilt toe want te Affiliates toe koe zelf meeting

D'Hare, A. (2015) National Release Center SNOMED CT, FOD VVVL, p. 29

- Aanstelling Projectleider: Dirk Plasschaert (2016)
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20150131	20150331	20150415

### Lopende projecten

Het meten en bepalen van de zuurthuisactiviteit (met plaats) om de oxygatatie, oftewel de haemoglobin gehalte, zuurstof in het slagaderlijke bloed, te meten.

Het element bevat de waarde van de indicator, periferie gemeten O2 saturatie. De O2 saturatie geeft in % de mate aan waarin de haemoglobine in het bloed verzadigd is met zuurstof, de mate van oxygemoglobine en hemoglobine. De verting wordt uitgedrukt op plaatsen waar de huid voldoende licht doordringt, zoals een vinger, teen of oorlel.

Nederlandse Federatie van Universitaire Medische Centra (2013). Clinical Building Block of de Overdracht van Informatie - 1. IHTSDO, p. 4. WIV Health-Data.be



Meer weten



# Vernieuwde website



- > SNOMED CT
- > LOINC
- > ICD-10-PCS
- > ICD-10-CM
- > ICF

Andere systemen worden  
nog toegevoegd



# Inhoud

### Terminologie en accreditatie

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### SNOMED CT in België

AP13 >

Verbinding en Verbindingsoverheid

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### Opleiding

Resultaten voor de Foundation Course (België)

Legend: A+, A, B, C, In Progress/Not completed, Not Started

### User Board - Early Adopters (UBEA)

Implementatiemethoden overhaalnegen

- Niet indereiden om te worden gecorrigeerd of afgevoerd
- Exchange van ervaringen en best practices
- Support of affiliate implementatiemethoden
- Ervaren met de manier te implementeren voor lokale rollen

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- Aanstelling Projectleider: Dirk Plasschaert (2016)
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### Lopende projecten

Het meten en bepalen van de zuurstofverzadiging (met plaats) om de oxygenatie, oftewel de zuurstofverbruik, tijdens zuurstof in het slagaderlijke bloed, te meten.

Het element bevat de waarde van de indicator, periferie gemeten O2-saturatie. De O2 saturatie geeft in % de mate aan waarin de hemoglobine in het bloed verzadigd is met zuurstof, de mate van oxyhemoglobine en hemoglobine. De verting wordt uitgedrukt op plaatsen waar de huid voldoende licht doordringt, zoals een vinger, teen of oorlel.

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Terminologie en coödestelsels

- 1 IHTSDO
- 1 IHTSDO
- 1 IHTSDO
- 1 IHTSDO
- 1 IHTSDO



# Voor meer informatie

- Opleiding: <https://elearning.ihtsdotools.org>
- Documentatie: <https://confluence.ihtsdotools.org/display/DOC>
- Startersgids: <http://www.health.belgium.be/nl/terminologie-en-codestelstels-snomed-ct> > SNOMED CT startersgids
- Licentie: <https://mlds.ihtsdotools.org>
- Terminologiedag: > [http://www.health.belgium.be/nl/gezondheid/organisatie-van-de-gezondheidszorg/delen-van-medische-gegevens/terminologiecentrum-1\\_](http://www.health.belgium.be/nl/gezondheid/organisatie-van-de-gezondheidszorg/delen-van-medische-gegevens/terminologiecentrum-1_) > Terminologie: Terminologiedag 2016 inschrijvingen (23.09.2016)
- Website: <http://www.health.belgium.be/nl/terminologie-en-codestelsels>
- Actieplan e-gezondheid: <http://www.plan-egezondheid.be/>
- Contact: [terminologie@health.belgium.be](mailto:terminologie@health.belgium.be)
- Conversies naar SNOMED CT: <http://www.health.belgium.be/nl/terminologie-en-codestelstels-snomed-ct> > Voorgaande versies van SNOMED CT
- Deze presentatie: <http://www.health.belgium.be/nl/terminologie-en-codestelstels-snomed-ct> > Publicaties





# Dank voor uw aandacht

“Behind the **need**  
to **COMMUNICATE**  
is the **need** to **SHARE**.  
Behind the **need**  
to **share** is the **need**  
to be **UNDERSTOOD.**”  
– LEO ROSTEN

