Ministry of Health, Welfare and Sport

Semantic unification: SNOMED CT in The Netherlands

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Ministry of Health, Welfare and Sport of The Netherlands

I can talk about this for hours…

New interoperability legislation
National semantic unification policy
Incentive programmes and public investments
Personal Health Data ecosystem (MedMij)
Clinical building blocks
Core Dataset for Interoperability
Dutch translation of SNOMED CT
Patient Friendly Terms
National Terminology Server
SNOMED in Emergency Care
Labcode Set
SNOMED digital escape room
Educational tools & content
EU DCC, XeHealth, eHealth Network, EHDS
GDHP IPS, GCeHI

The right care at the right place

National interoperability legislation:

manadatory EHR certification for standardized use-cases

National incentive programmes:

>€600 mln for hospitals, GP's, social care, maternity care, mental healthcare, pharmacies, citizens

Personal health data ecosystem:

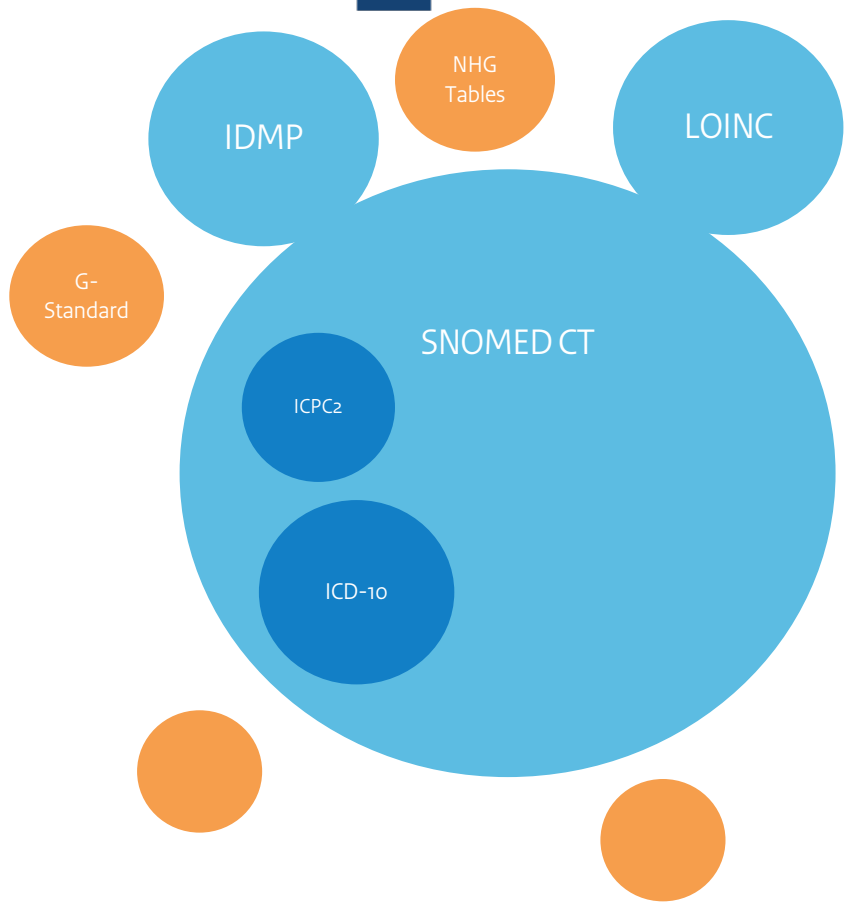Trust framework for PHI certified service providers

Ministry of Health, Welfare and Sport

Semantic unification

Model (AssessCT)

NHG Tables

IDMP

LOINC

G-Standard

SNOMED CT

ICPC2

ICD-10

RT — Reference Terminology

AT — Aggregation Terminology

NL — National Content

Model (AssessCT)

SNOMED CT

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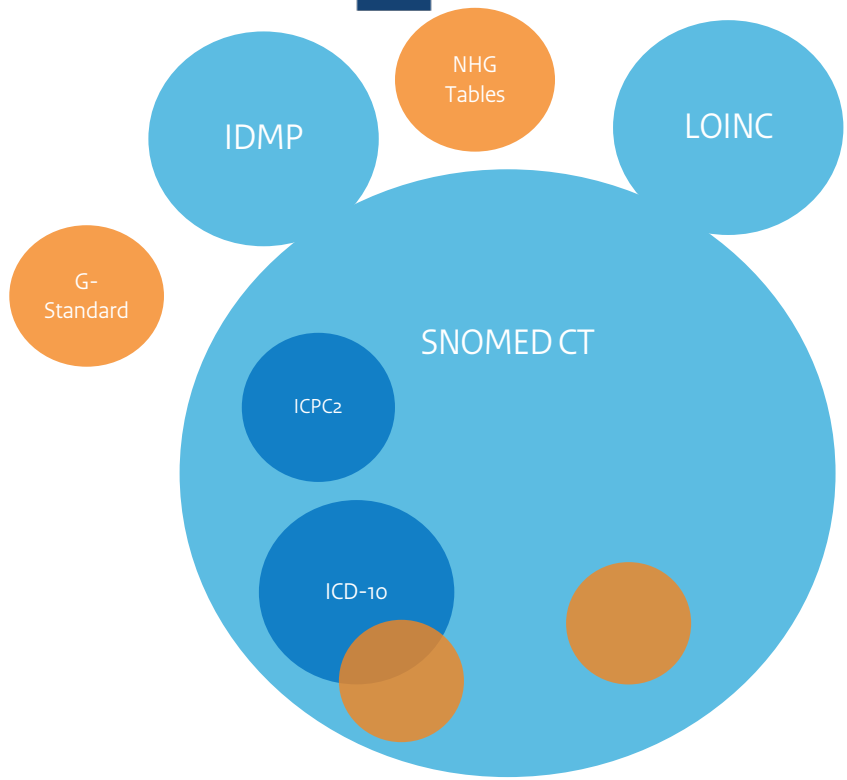
RT — Reference Terminology

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What happened

Once
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2022
Later

LOINC

NHG Tables

G-Stan-dard

NL Lab code-set

IDMP

SNOMED CT

PALGA

ICPC2

ICD-10

Diagnose thesaurus

ICD-11

ISO 9999

Orphanet

Nat Kernset

ICNP

ICF

Nanda

Omaha

ICF

Th Zorg & Welzijn
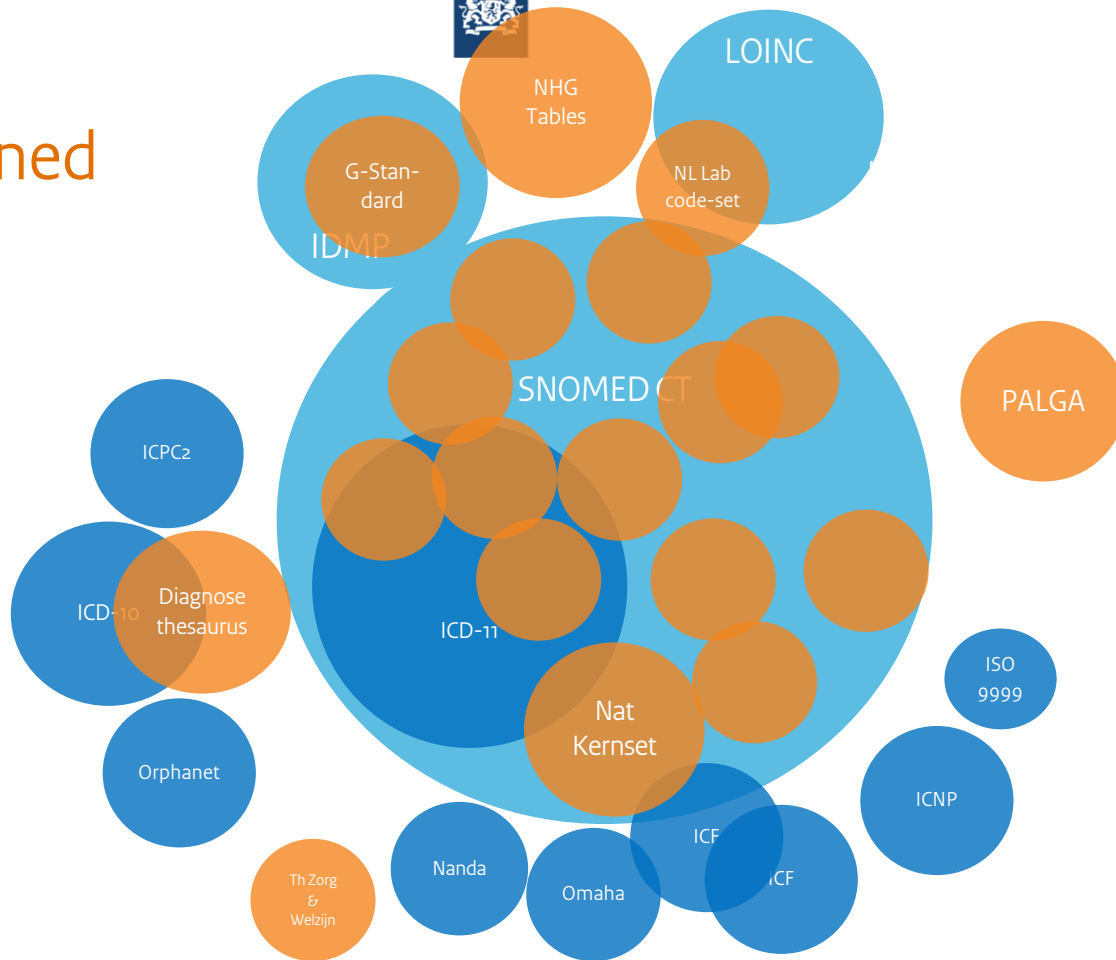
Building the
foundation

Our National Core Dataset for Interoperability (CDI)

Patient data
Name, Address, Residence, National Citizen Number, sex, death, contact info, insurance, marital status, current living conditions, patient GP, known acts of will

Problems
Problem, condition, diagnosis, symptom, observation, complaint, functional limitation, complication

Immunizations

Functional and mental status

Substances
Drug use, alcohol use, tobacco use

Dietary advice

Vital signs
Blood pressure, weight, length

Laboratory
Test results

Clinical notes

Alerts

Medical devices

Medication
Medication use, prescriptions, allergies and intolerances

Clinical procedures
Known clinical procedures, all hospital admissions, known planned care activities

Pagina   Overleg

HCIM Release 2020(EN)

Release 2020

This is a release. More information about prereleases and releases you can find here.

The following summary shows which hcim's are part of this release, including the version numbers.

More information on Release 2020 you can find in the ReleaseNotes 2020 📄 (in Dutch) and in the sections below.

Health and care information models release 2020

**group: Administrative, count: 7**

CareTeam-v1.0	Encounter-v4.0.1	HealthProfessional-v3.5	Payer-v3.1.1
ContactPerson-v3.4	HealthcareProvider-v3.4	Patient-v3.2	

group: Clinical context, count: 25

|			
Alert-v4.1	FeedingPatternInfant-v1.1	NutritionAdvice-v3.2	Stoma-v3.3
AllergyIntolerance-v3.3	FeedingTubeSystem-v3.3	PainCharacteristics-v1.0	Vaccination-v4.0
BladderFunction-v3.2	FunctionalOrMentalStatus-v3.2	Pregnancy-v4.0	VisualFunction-v3.1
BowelFunction-v3.1.1	HearingFunction-v3.2	PressureUlcer-v3.4	Wound-v3.3
Burnwound-v3.4	Infusion-v3.3	Problem-v4.4	
DevelopmentChild-v1.2	MedicalDevice-v3.3.1	SkinDisorder-v3.3	
EpisodeOfCare-v1.0	MultidisciplinaryTeamMeeting-v1.0	SOAPReport-v1.0	

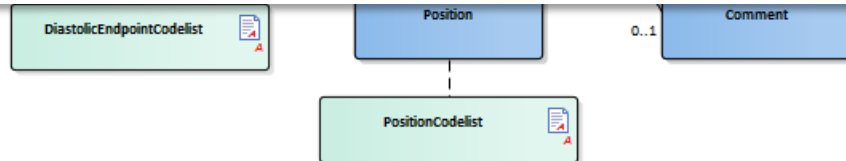# Terminology in the Incentive Programmes and EGIZ Law
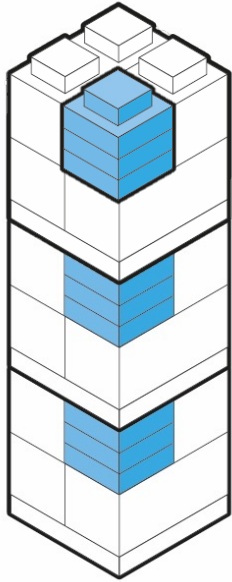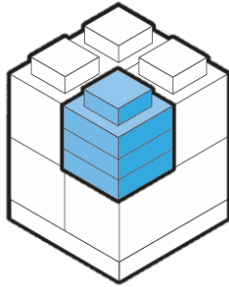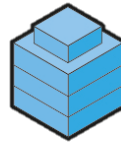
CDI   HCIM   Terminology

Terminology in HCIM

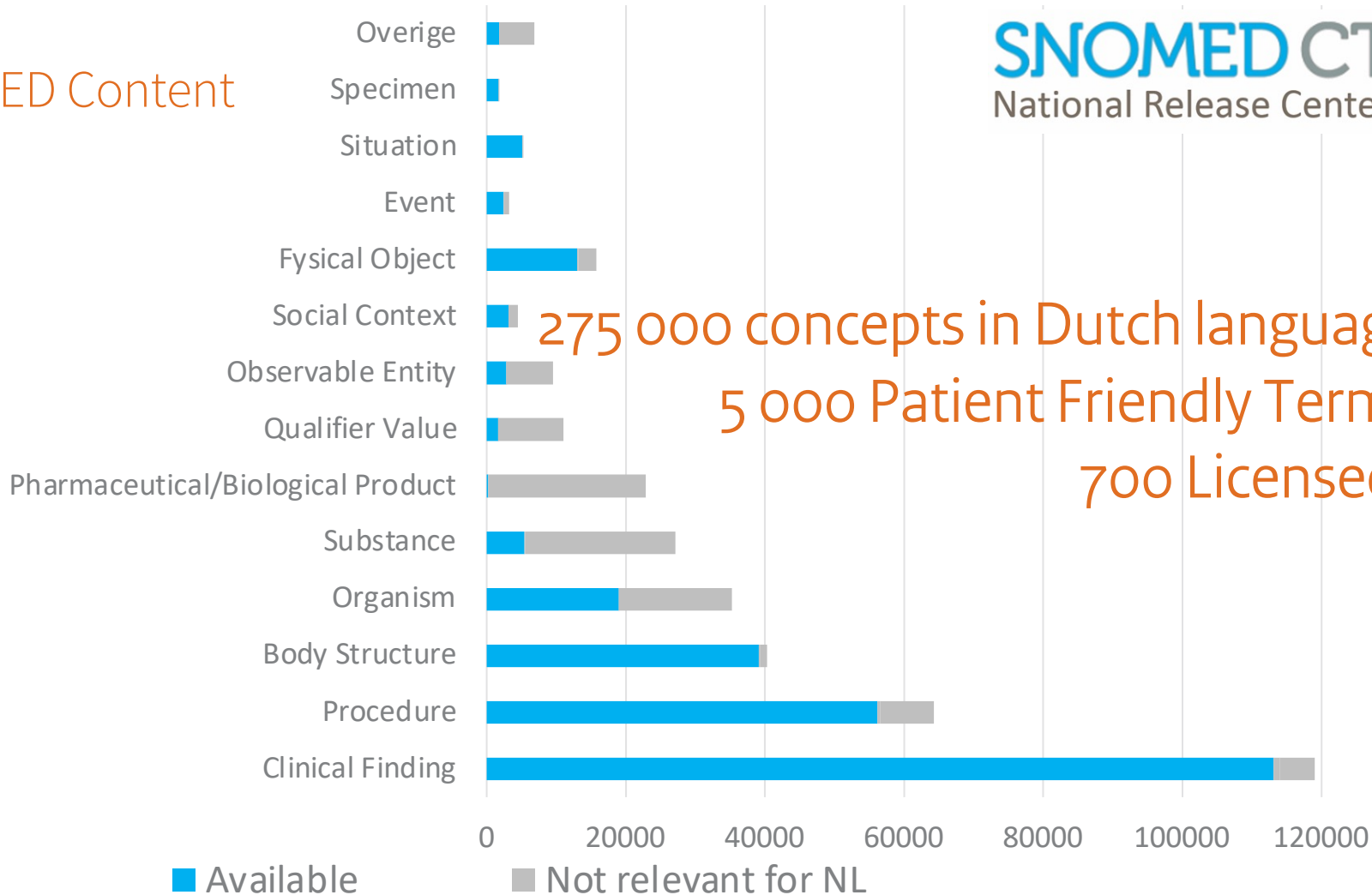| Conceptnaam	Conceptcode	Codestelselnaam	Codesysteem OID	Omschrijving
Upper arm structure	40983000	SNOMED CT	2.16.840.1.113883.6.96	Bovenarm
Right upper arm structure	368209003	SNOMED CT	2.16.840.1.113883.6.96	Rechter bovenarm
Left upper arm structure	368208006	SNOMED CT	2.16.840.1.113883.6.96	Linker bovenarm
Thigh structure	68367000	SNOMED CT	2.16.840.1.113883.6.96	Bovenbeen
Structure of right thigh	11207009	SNOMED CT	2.16.840.1.113883.6.96	Rechter bovenbeen
Structure of left thigh	61396006	SNOMED CT	2.16.840.1.113883.6.96	Linker bovenbeen
Wrist region structure	8205005	SNOMED CT	2.16.840.1.113883.6.96	Pols
Structure of right wrist	9736006	SNOMED CT	2.16.840.1.113883.6.96	Rechterpols
Structure of left wrist	5951000	SNOMED CT	2.16.840.1.113883.6.96	Linkerpols
Finger structure	7569003	SNOMED CT	2.16.840.1.113883.6.96	Vinger
Ankle region structure	344001	SNOMED CT	2.16.840.1.113883.6.96	Enkel
Structure of right ankle	6685009	SNOMED CT	2.16.840.1.113883.6.96	Rechterenkel
Structure of left ankle	51636004	SNOMED CT	2.16.840.1.113883.6.96	Linkerenkel

DiastolicEndpointCodelist

Position

Comment

0..1

PositionCodelist

SNOMED CT

Nictiz
SNOMED CT

	Terminologie	Referentiesets	Demo	Applicatie		Inloggen

Zoekterm(en)   bacteriële artritis   SNOMED Clinical Terms version: 20190131 [R] (January 2019 Release)   Help   Licentie

Resultaten (16 van 16)

P	bacteriële artritis	Bacterial arthritis (disorder)
P	acute bacteriële artritis	Acute bacterial arthritis (disorder)
S	bacteriële artritis van SI-gewricht	Bacterial arthritis of sacroiliac joint (disorder)
S	acute bacteriële suppuratieve artritis	Acute suppurative arthritis caused by bacteria (disorder)

Super type (parent)

Bacterial musculoskeletal infection   infectieuze artritis

bacteriële artritis (aandoening)

Medical
bacteriële artritis
ontsteking van gewricht door bacteri...

Patient friendly
Bacterial arthritis

Synonyms
Arthritis due to bacterial infection
Septic arthritis

Id	48245008
Status	Defined

Morphology

Associated morphology	ontsteking
Causative agent	Bacteria
Finding site	structuur van gewricht
Pathological process	infectieus proces

Cause

Location

Process

General Practice / Family Practice reference set

DHD Diagnosethesaurus-referentieset

▶ International Classification of Primary Care, Second edition complex map reference set

▶ ICD-10 complex map reference set

ICD-10

acute bacteriële artritis	1
arthritis gonorhoica	2
artritis door infectie met spirocheten	3
artritis door Pseudomonas	
artritis door Salmonella	
artritis door stafylokokken	1

Sub type (children)

Pim Volkert

Present

- Teamlead Terminology Center at Nictiz
- Staff Member and Tutor at Clinical Informatics Deparment TU Eindhoven

Past

- EHR Vendor – ALERT Life Science Computing
- Hospital – Rivierenland Tiel

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Nictiz

Ministry of Health, Welfare and Sport

Thank you!

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