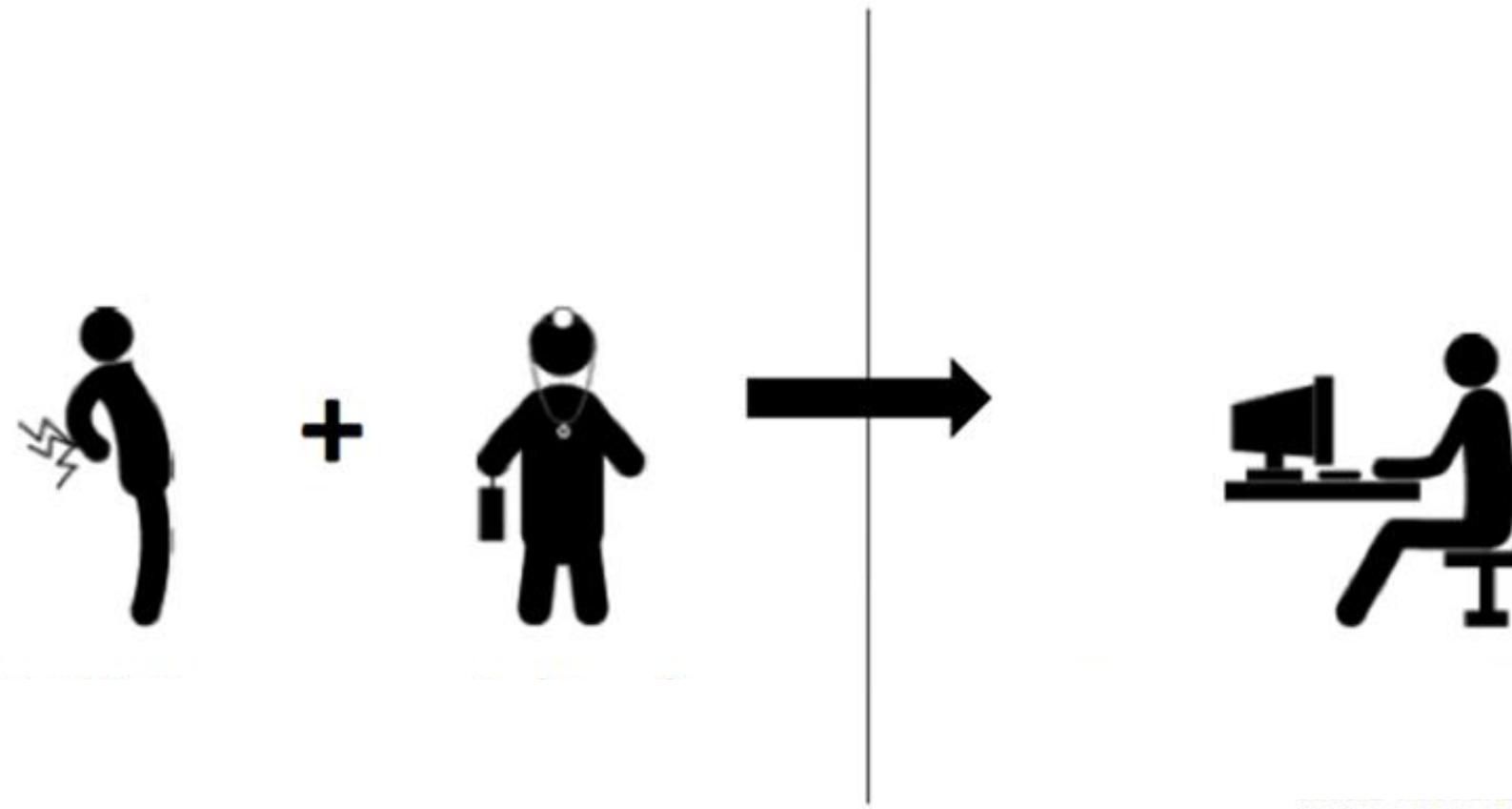


# SNOMED CT – ICPC-3

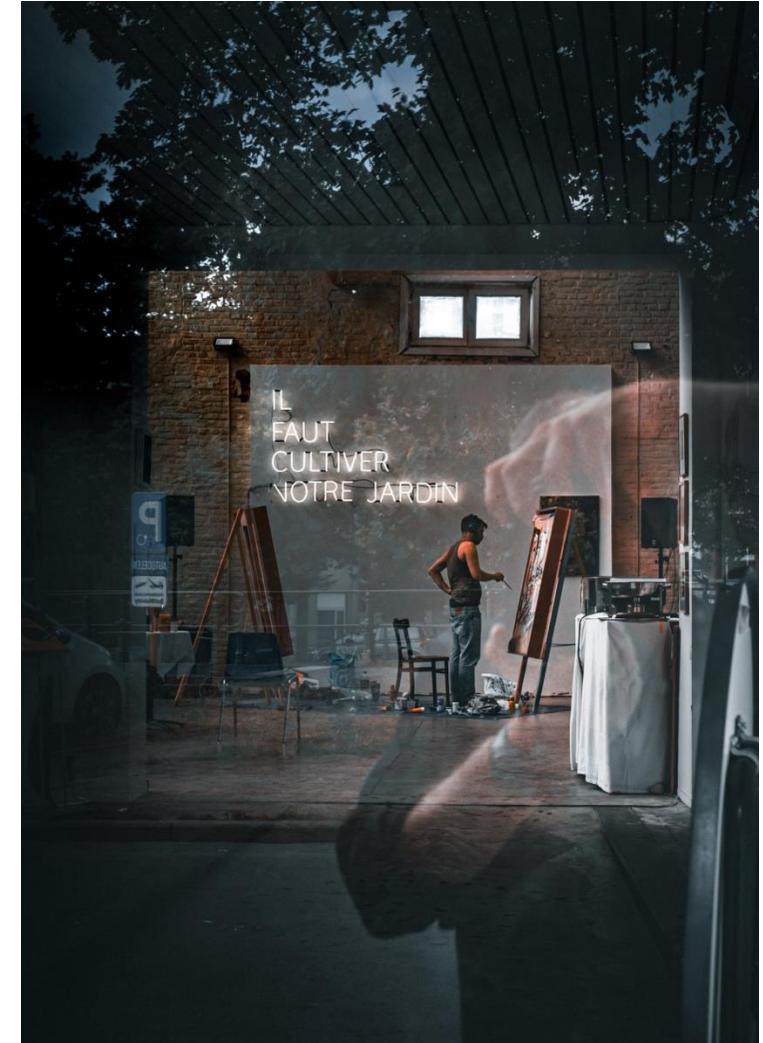
Bianca de Sá e Silva - Diego Schrans - Joseph Roumier -  
Oliver Van Hecke - Jan De Maeseneer – Bob Vander Stichele

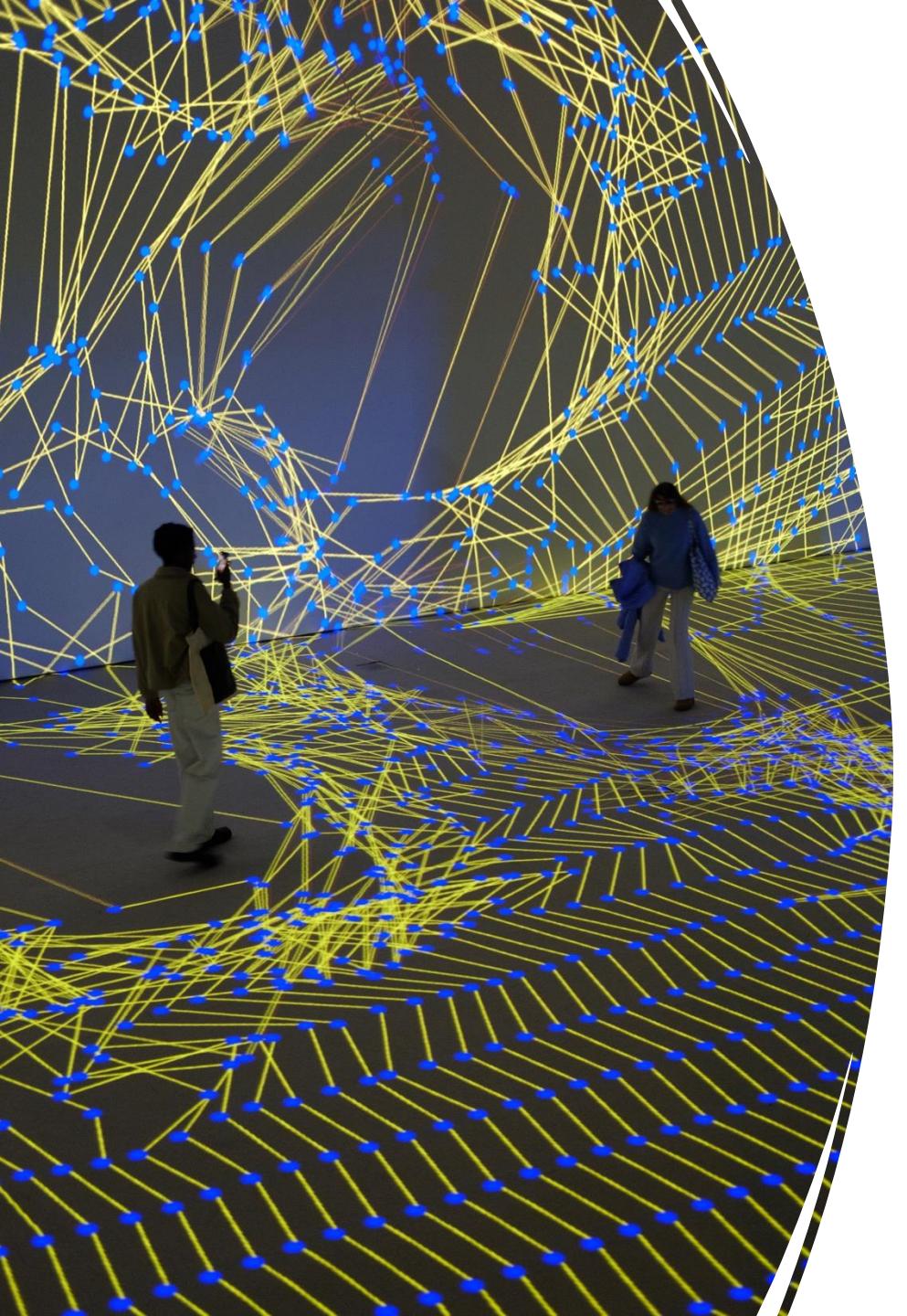
# Daily practice or Where The Magic Happens: Communication (registration) or the art of being understood in a person cetered care system



“If language is not used correctly, what is said is not what is meant.”

To make the language in clinical information systems unambiguous: code systems, classifications and terminology standards should be used to produce a translation of the clinical information to an interoperable and machine readable correct concept.





# Mapping

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Creating connections between concepts, represented by labels

Information recorded in one can be understood in the other

# The dream: Registering once (in a simple and correct way) for multiple use

- Clinical reuse
- Exchange of data
- Access to decision support
- Organizing prevention
- Assessment and quality assurance
- Invoicing?
- Epidemiology
- Research
- Providing data for data-driven policy

# The Belgian Bi-coded Bi-lingual Thesaurus (3BT)

An example of a linguistic-conceptual resource (bridging human language to digital concepts)

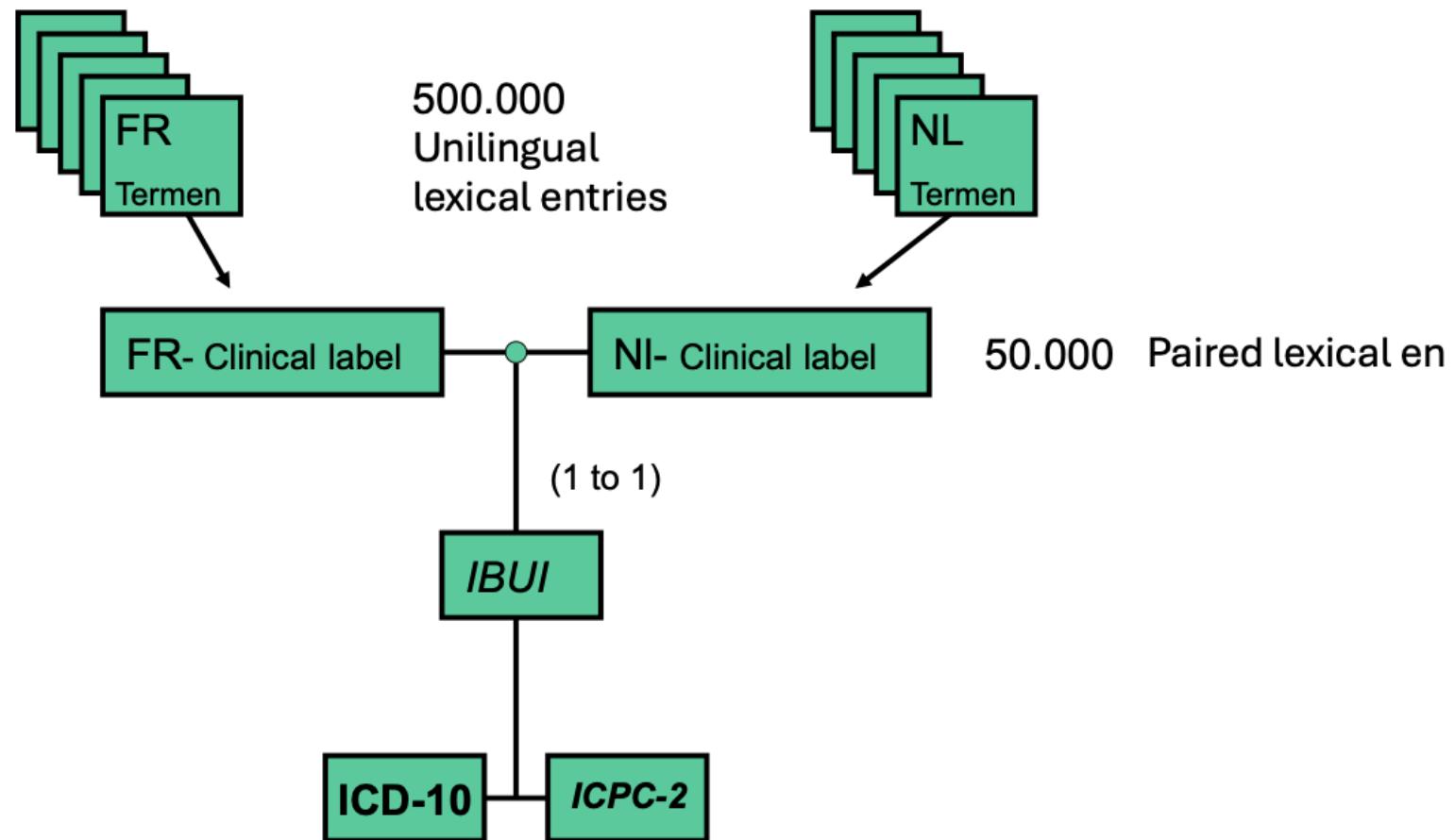
An example of an end-user terminology, supporting health care providers with data entry at the point-of-care

A similar initiative exists in Australia (ICPC-2 PLUS), linking language to SNOMED CT and ICPC.

**The basis of successful longitudinal epidemiological research for more than 2 decades**

- In great need of an update (updated: 2011)
- In need of modernisation

# The Belgian Bi-coded Bi-lingual Thesaurus (3BT) Thesaurus (3BT)

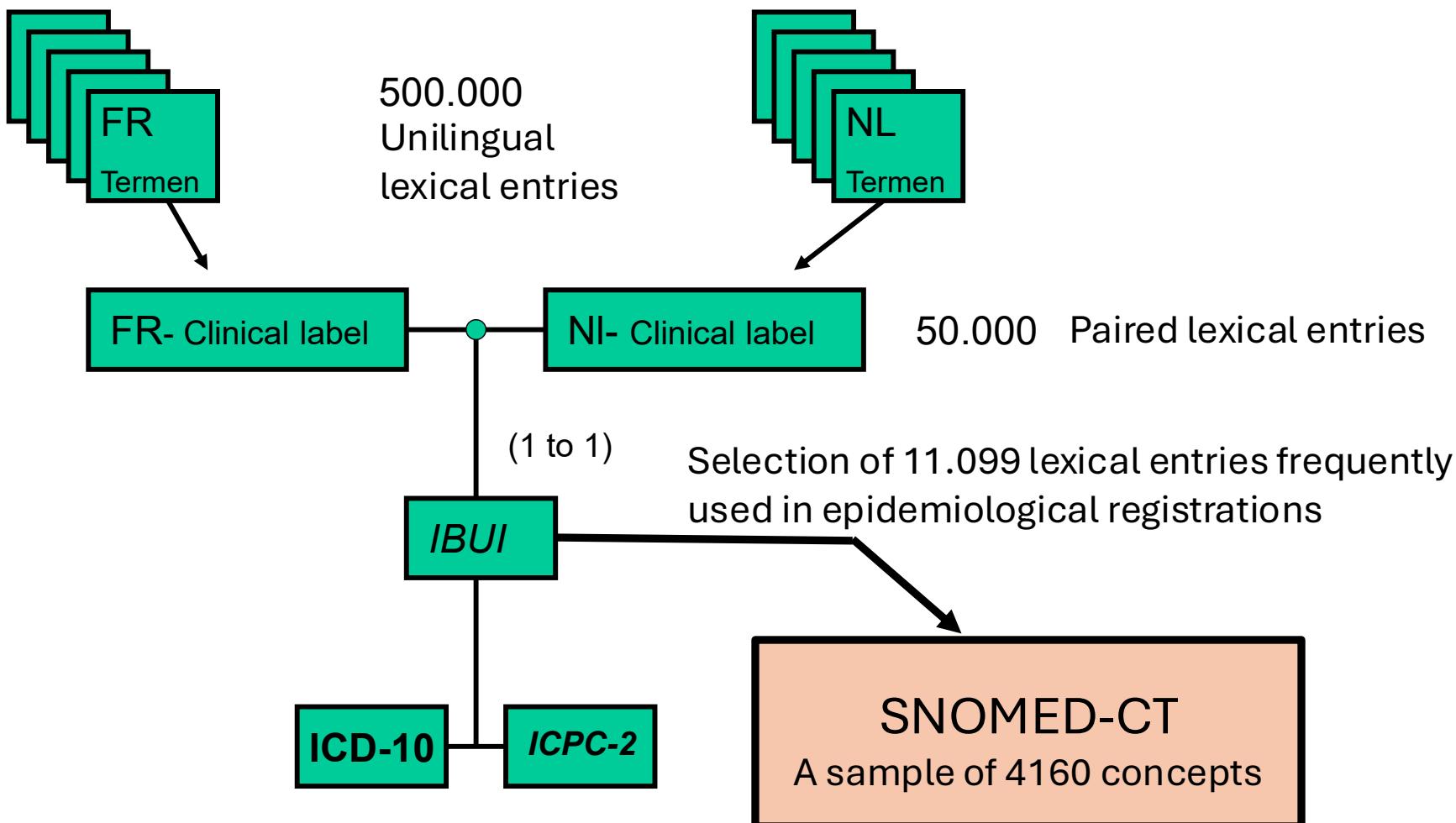


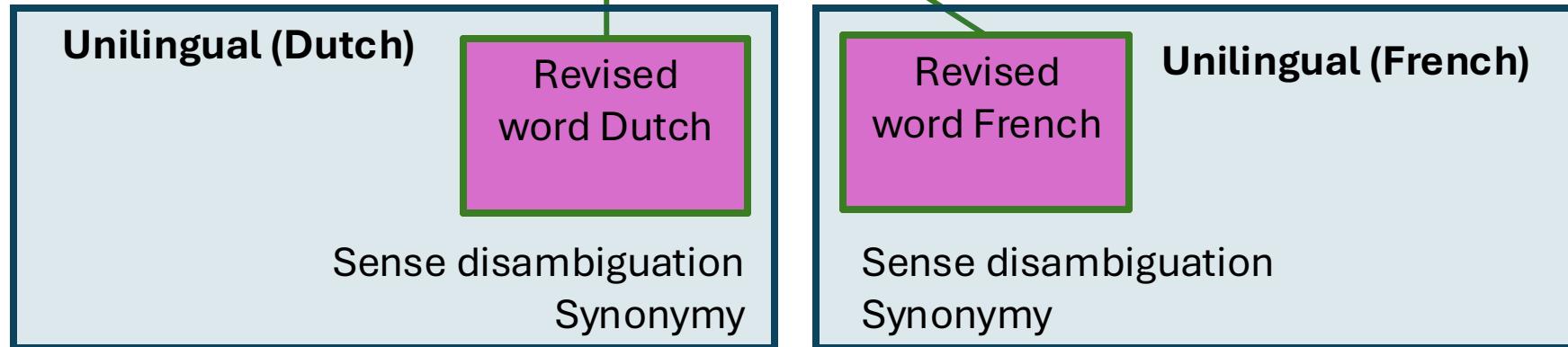
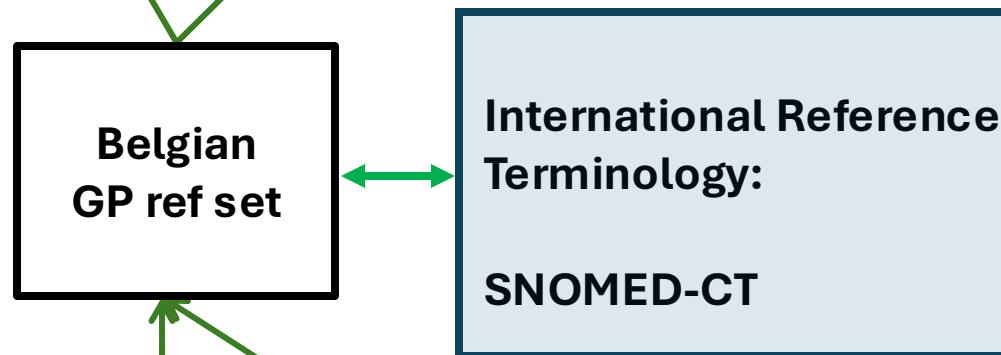
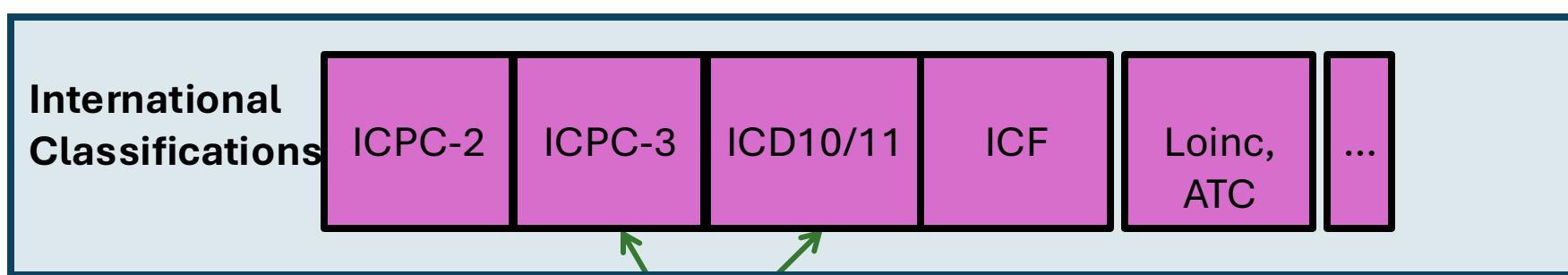
A first step in modernisation

Linking 3BT to SNOMED CT

Legacy Conversion

# 3BT towards Belgian GP refset





**Second step in modernisation**



**SNOMED CT mapping to Classification**



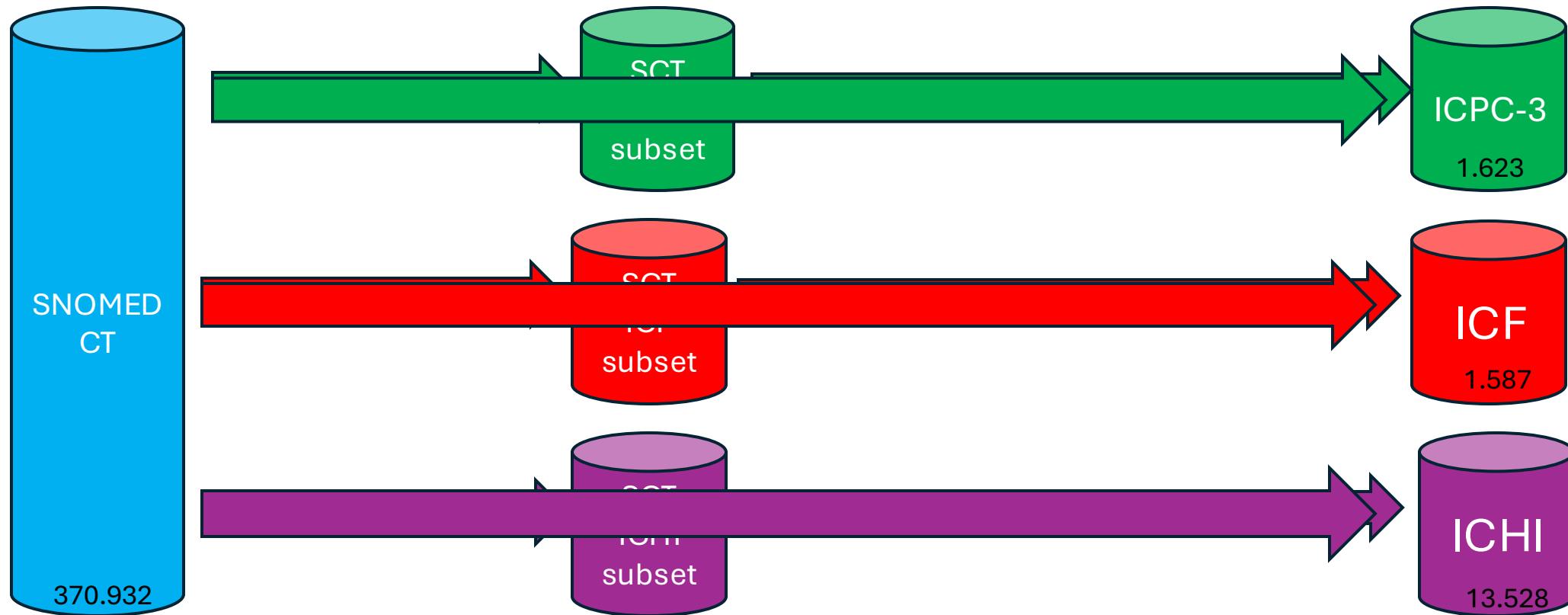
**SNOClass project**

# SNOClass Project

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Mapping SNOMED CT: ICPC-3, ICF, ICHI

# Mapping: origin and target



Large mismatch in level of aggregation and coverage: need to find a subset

# Current state and aim for ICPC-3



FIRST AUTOMATED MAPPING DONE

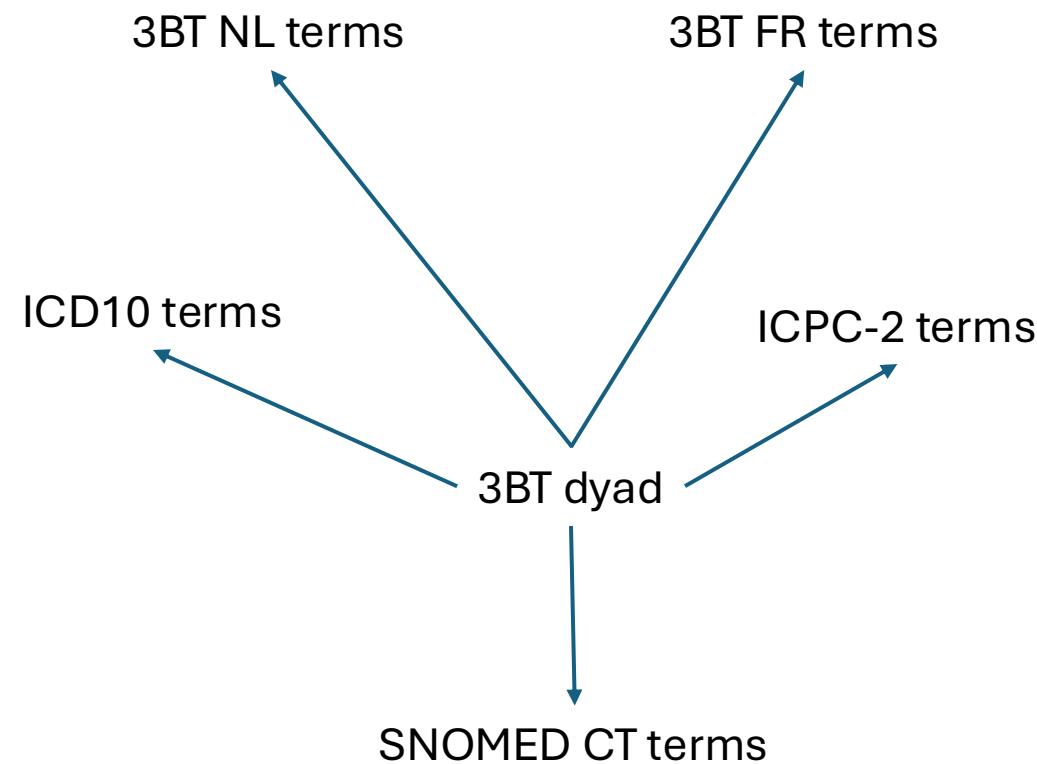


DATA CLEANING IN PROGRESS

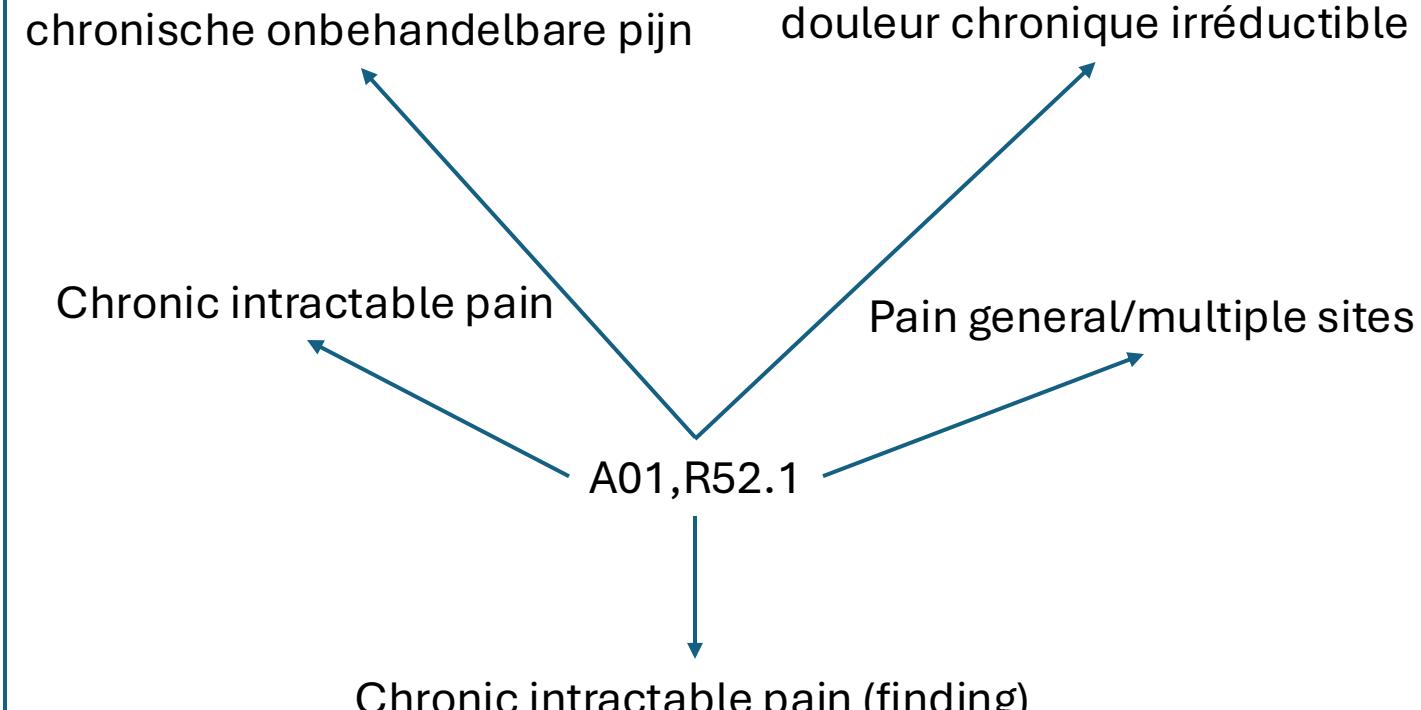


TRANSMED TOOL FOR ICPC-3:  
WORD CLOUD AND INCLUSION  
TERMS

## Schema



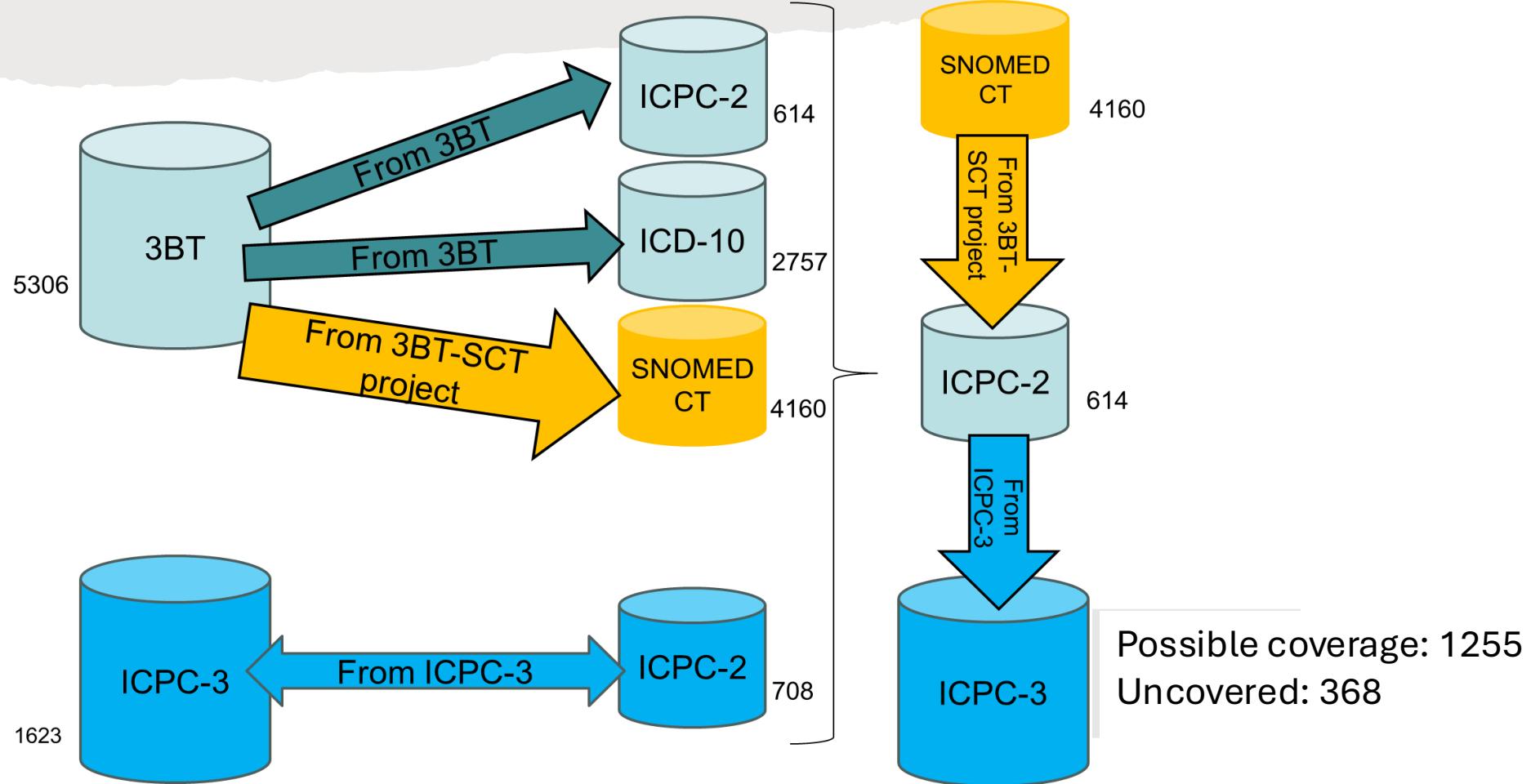
## Example



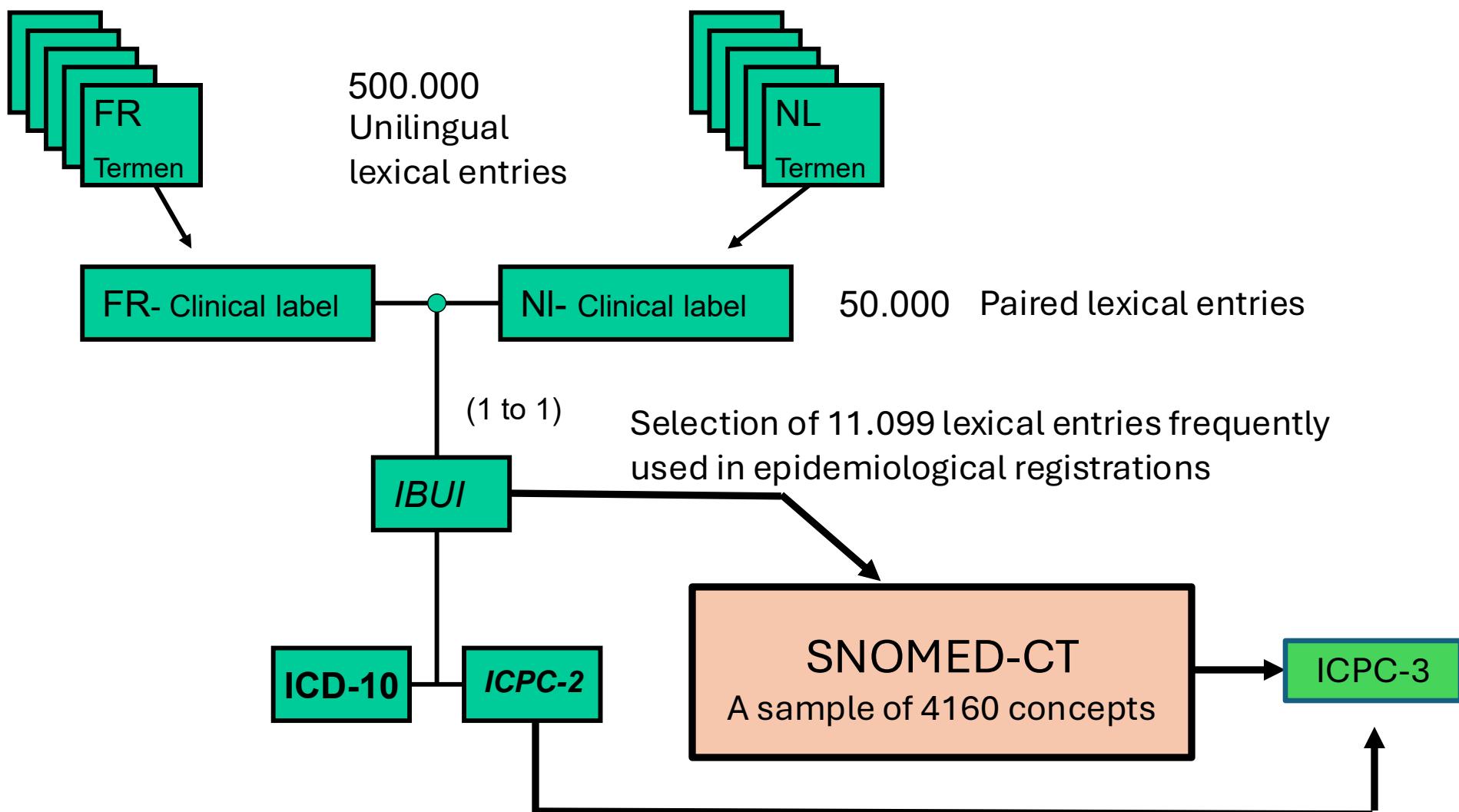
Dyads and surrounding cloud of words

Terms include preferred term and synonyms, and in some cases can be inclusions

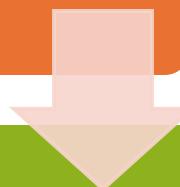
# Exploring 3BT data:



## 3BT – GP Ref set – ICPC-3



**Third step in modernisation**

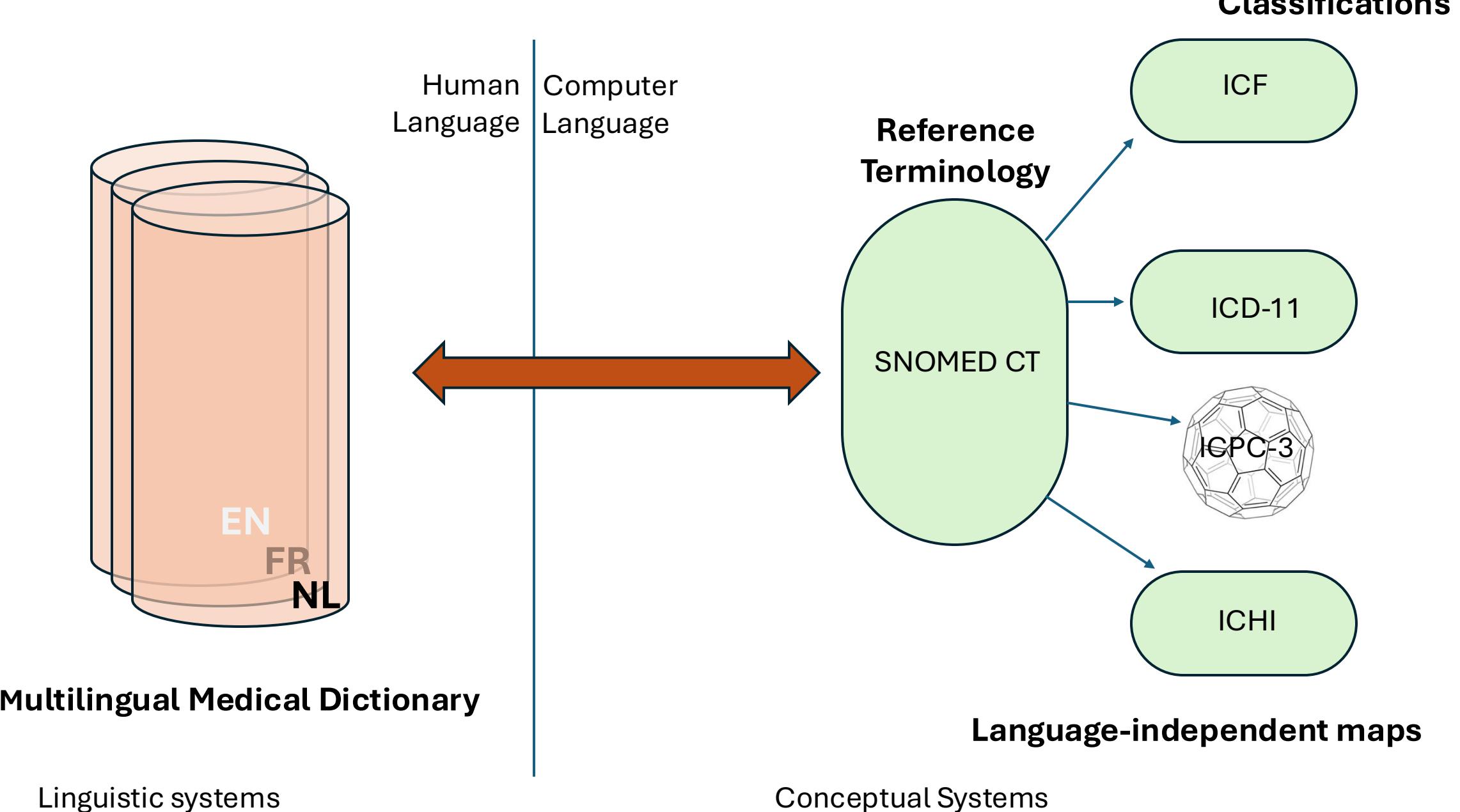


**Developing Enduser Terminology**



**Combine linguistic and  
conceptual systems**

# Modern, Multilingual Enduser Terminology



# The message

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