

The context

- 80% of the Electronic Patient Record now in free text
- Challenge of interoperability between health actors
- Wide and growing availability of SNOMED-CT
- Rule based mapping to ICD10

The challenges

CONTINUITY OF CARE • TRANSPARENT MEDICAL CODING • MEDICAL DATAWAREHOUSE • MEANINGFUL USE

Our proposition

« *BT Clinical Computing offers a structured SNOMED CT inside solution from existing data and on-line medical input* »

The BT solutions



Continuity of Care

SNOMED CT Patient Summary
Clinical and Medication Reconciliation
Decision support
Personal Health Record



SNOMED CT Big Data

Medical Data Intelligence
Clinical Trials
Benchmarking



Transparent Medical Coding

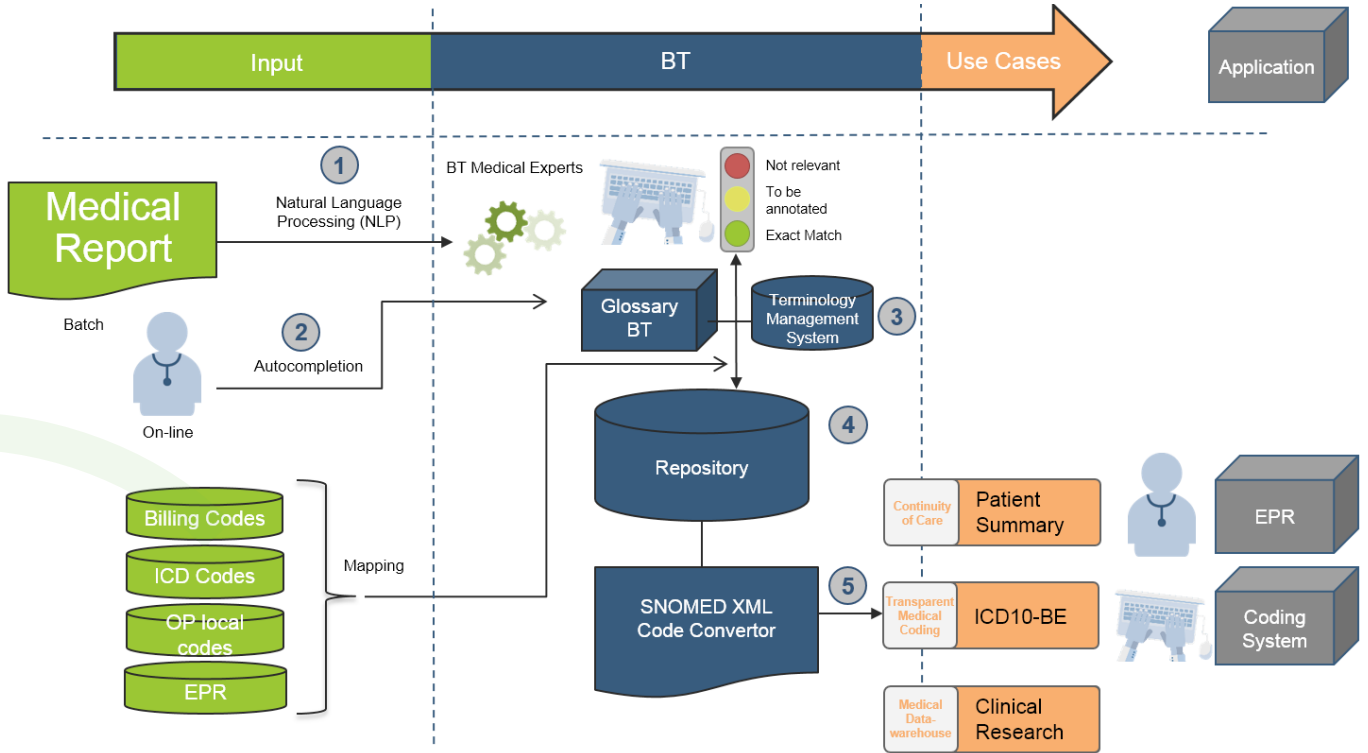
SNOMED CT-guided text interface
Parsing text to SNOMED CT
Rule-based multipurpose code conversion
Personal Health Record



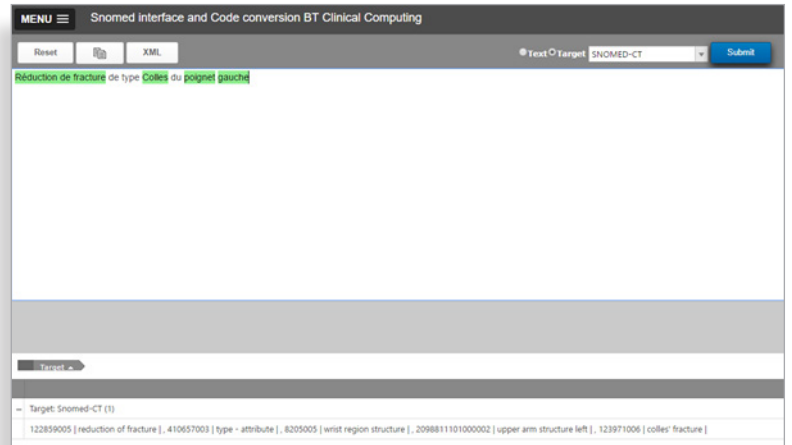
Meaningful Use

Problem list (active and past diagn.)
Allergy list
Support e-prescription medication
Drug drug interaction
Evidence Based Order-entry (RX/lab/consultation)
Sumehr/CCD communication

How it works



1. **NLP** (Natural Language Processing) from texts to terms
2. **Autocompletion** : web « smartphone-like » user interface
3. **TMS** (Terminology Management System) : SNOMED-CT and local terminologies. Mappings
4. **Repository** : medical datawarehouse database
5. **Rule based SNOMED-XML / Code Converter** from SNOMED-CT to coding systems (ICD10,...)



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