

Integration of TS Use Case Examples

Types of “Users”

- HIE Applications (e.g., EHR, Lab Info System, etc.)
- Health professionals
- Informaticists

Query Use Cases (Applications)

1. Code validation: Given a source context (including version/date), return whether the source concept id is valid. Single/multiple input codes.
2. Code normalization: Given a source and target context (including version/date), return the target concept id corresponding to a source concept id. Single/multiple input codes.
3. Code look-up/translation: Given a source and target context (including version/date), return the concept name, optionally in a specified language, corresponding to a source concept id. Single/multiple input codes.
 - a. Search by partial phrase, begins with, partial word, including stop words
 - b. Handle synonyms (return exact term user is looking for regardless of which concept it is linked to).
 - c. Handle misspellings.
4. Return all the descendants of a concept in a Code System (subsumption/decision support).
5. Return whether a concept in a Code System is a descendant of another concept (subsumption/decision support).
6. Return the (possibly specified) attributes associated with a concept in a Code System (permits hierarchical browsing, etc.)

Import Use Cases (Informaticists)

1. Load a file consisting of local code/target (standard) code associations.
2. Load a standard or local Code System/Value Set/Subset.

Export Use cases (Informaticists)

1. Return all the names/codes within a Code System or named Value Set/Subset. Specify format: xml, csv, etc.
2. Return all the names/codes within a Code System or named Value Set/Subset that have changed since a specified version/date.
3. Return the names/codes in a named Value Set/Subset.

Application Use Cases

1. Provide an end-user browsing tool/application. (Health Professionals)
2. Provide an end-user editing/management tool/application. (Informaticists)