

Pre-processed
report

UrgIndex

"Report"

1

Importation of
textual variables

"Report_twice"

2

Patients selected

3

Natural
language

"phrase"

6

Filtering

"Table_Apr_filter"

7

Processed data recorded in tables

"Complaint"

"Observations"

"Procedures"

"Prescriptions"

"..."

ECMT

4

Query sent to
ECMT

5

Results retrieved by
sentence

"result_servlet"

- Textual variables divided into phrases
- Punctuations, certain coordinating conjunctions and prepositions: language divided into syntagmas
- Negations: exclusion of corresponding concepts
- Abbreviations or non-standard spelling: replaced by standard terms
- Removing of numeric variables
- Re-concatenation in phrases

Suspected infections identified from
4 filter tables