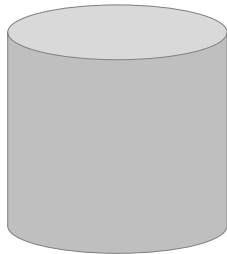


Eligibility Criteria

- Women or men over age 65
- Diagnosis of heart failure in past 6 months

1

Clinical Database



10

```
SELECT person_id
FROM person
WHERE ...
```

LeafAI API

C#

Reasoner
⚙️
7

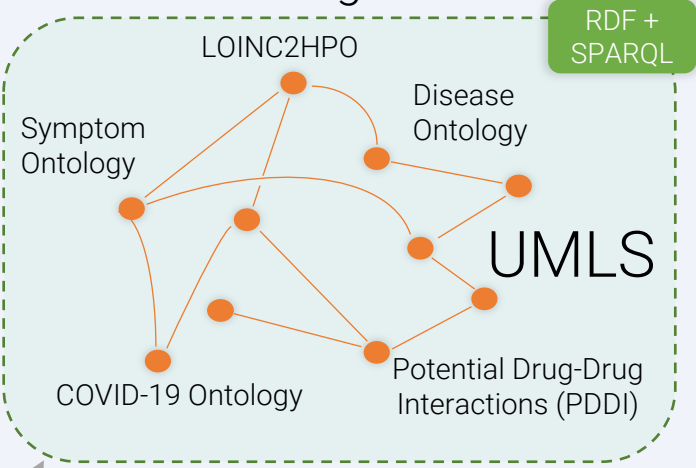
Logical Form Interpreter
5

Semantic Metadata Mapping
9

SQL Compiler
<...>
8

8

Knowledge Base



RDF + SPARQL

UMLS

Normalization

6

MetaMapLite
Java

BERT (Labs)
Python

Logical Form Transformation

4

T5
Python

Named Entity Recognition

2

BERT
Python

Relation Extraction

3

R-BERT
Python