

Trials and clinical studies.

Need

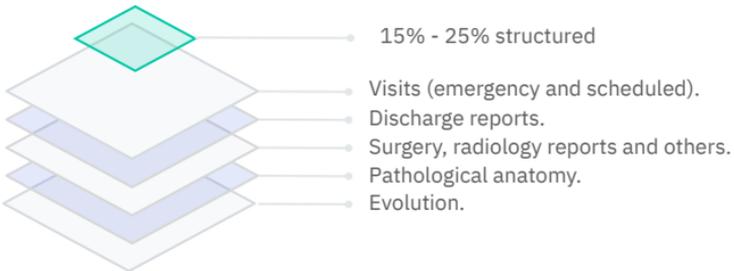
Find enrollable patients for clinical trials in the area of neurology, in which the hospital has recognized professionals.

- ✓ Identify the prevalence of Alzheimer's in a specific center and establish a classification of these patients according to the severity of their symptoms.
- ✓ Carry out a clinical study in the area of Alzheimer with patients with the greatest cognitive impairment.
- ✓ Estimate, with the greatest possible certainty, the number of patients who could be candidates for a clinical trial to test a particular drug, based on a set of inclusion and exclusion criteria.

Problem

Plenty of information, lack of data.

Most clinical information in millions of health records is in unstructured format, ie text.



Solution

Natural Language Processing



1 Electronic Health Records (EHR) Text Based



2 Natural Language Processing



3 Structured Database

Results



- ✓ On the dataset, consultations are made of patients who meet the inclusion criteria.
- ✓ The center's physicians decide if the patient is eligible to be recruited for the trial.
- ✓ Data is updated periodically.

Benefits

1800 patients identified.

Identification of 1800 potential candidates for the trial.

Patient journey study conducted by hospital researchers.

Characterization of the prevalence of the disease.