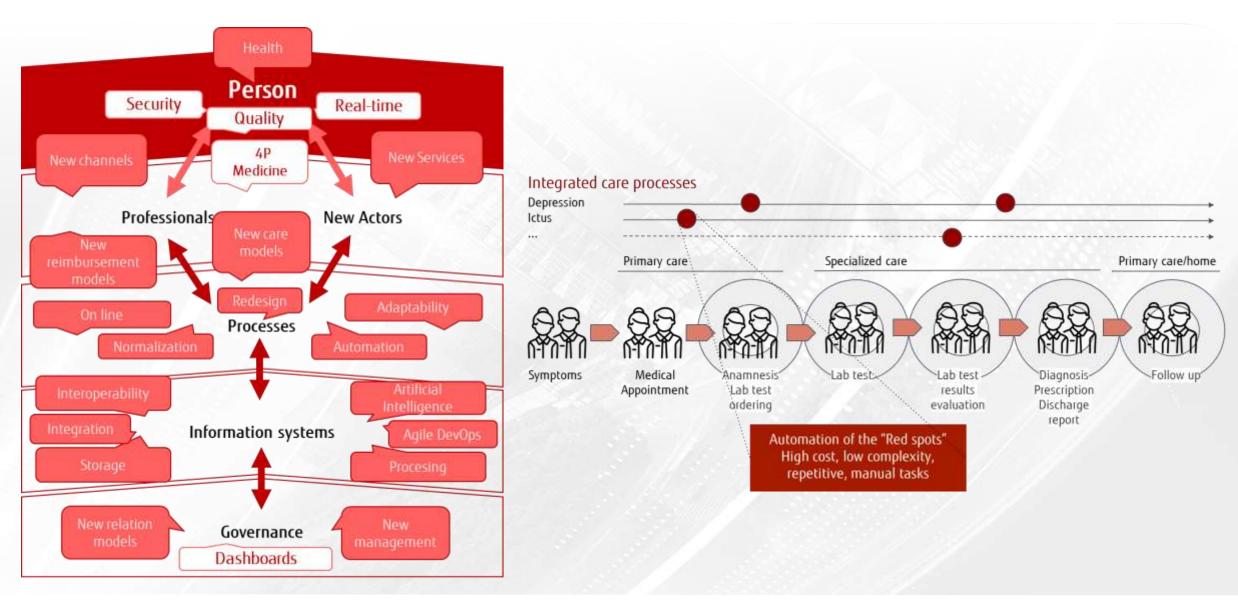
# Digital Transformation in Healthcare





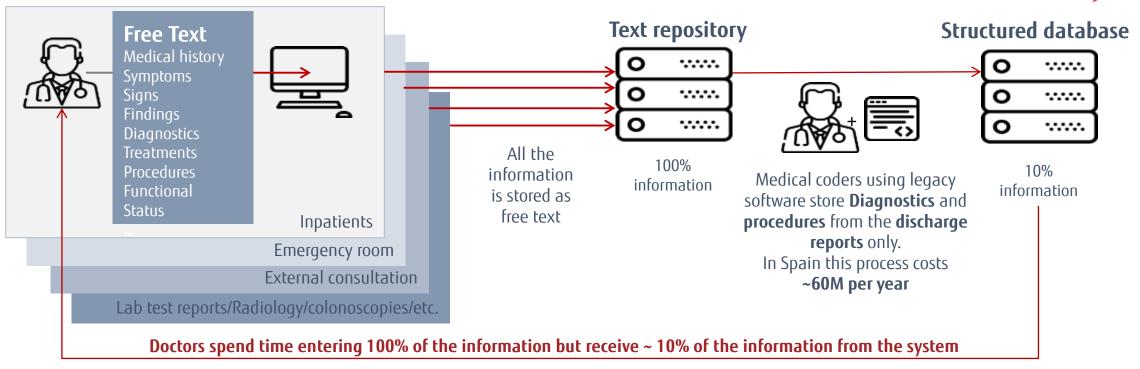
## Our vision

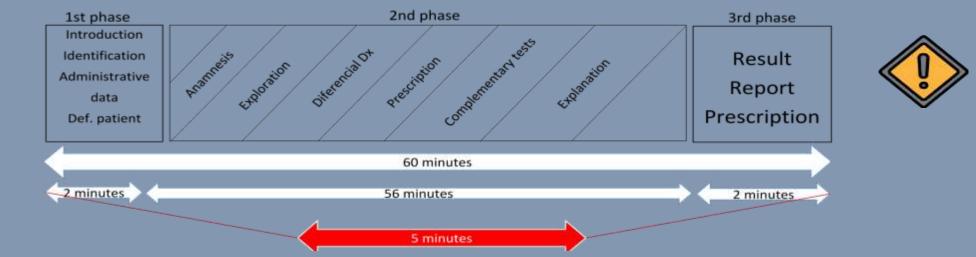




### One of the most critical processes







# Example

San Carlos **Anonymized** Discharge reports from the Digestive discharge reports from the Digestive system unit system unit **Target Entities** Scope defined by San Carlos Symptoms innovation unit + Signs Diagnostics head of services Drugs Procedures Fujitsu Multilingual NER Text augmentation tech tech First model based on MIMIC data Accuracy 80%

Accuracy drops to 45%

First Transfer learning exercise

100% of the target entities

Structured

data

es A

Accuracy increases to 85% and growing

**Results** 

THE

The model extracts 100% of the target entities defined by the innovation unit

Curation and

model re-

training

The model learns from the data and the accuracy improves through the curation process



# Better Insights



Using the information stored in clinical texts is possible to create better tools and provide doctors with better insights to understand their patients

