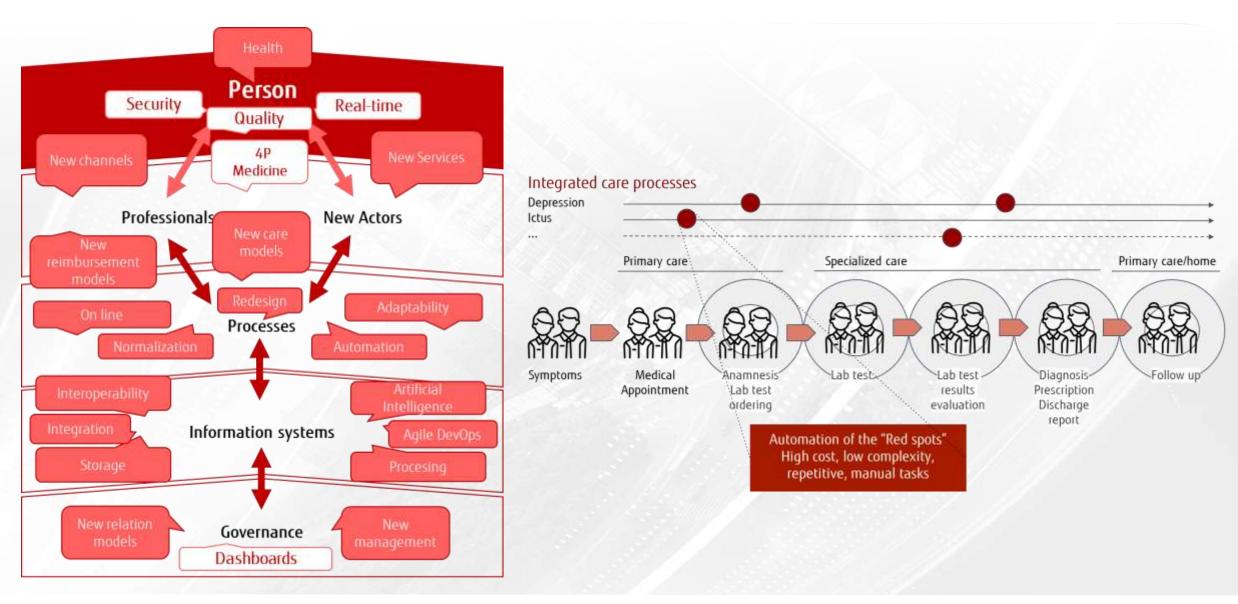
Digital Transformation in Healthcare





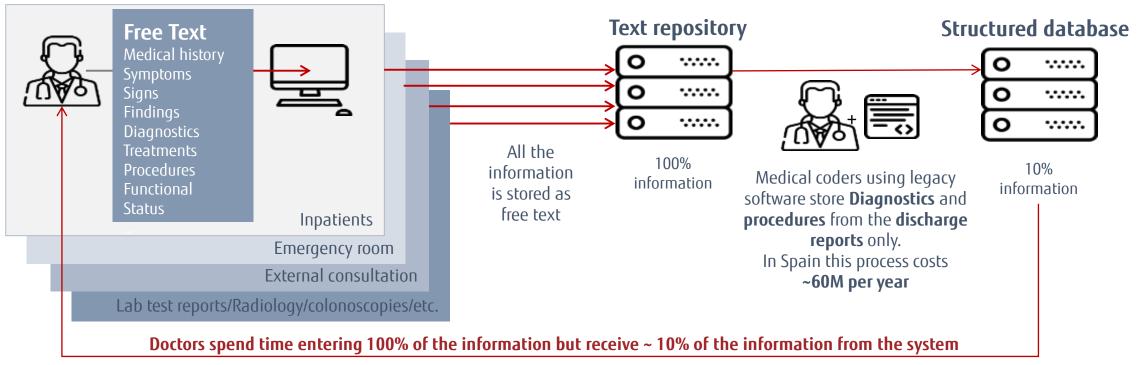
Our vision

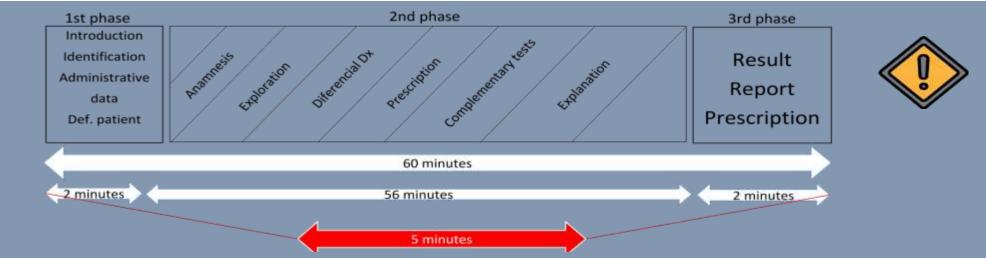




One of the most critical processes







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

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

