

# AI in healthcare: Types and applications

A quick guide for physicians and APPs

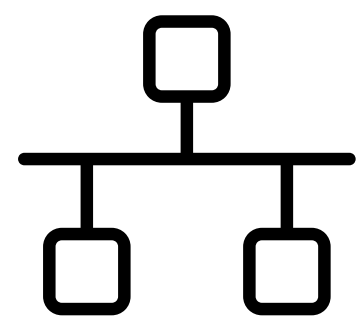
## Artificial intelligence

### WHAT IT IS

A broad set of smart computer technologies that learn and adapt to help us work more efficiently. It includes machine learning, natural language processing, predictive analytics and generative AI.

### EXAMPLE

Healthcare solutions that analyze patient data to support clinical decision-making and improve outcomes.



## Natural language processing

### WHAT IT DOES

Understands and processes human language, both spoken and written.

### EXAMPLE

Ambient note-taking that listens to conversations and converts speech into structured clinical notes.

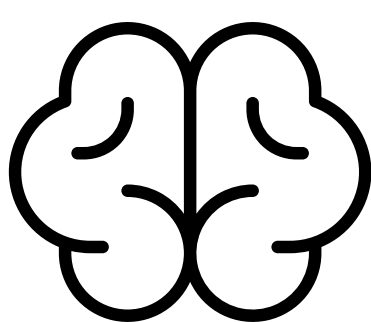
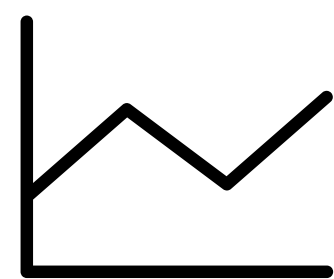
## Predictive analytics

### WHAT IT DOES

Forecasts future outcomes by identifying patterns in historical patient data.

### EXAMPLE

Clinical decision support systems that calculate deterioration indices to alert you to significant changes in patient status.



## Generative AI / Large language models

### WHAT IT DOES

Creates human-like text and other content based on learned patterns.

### EXAMPLE

Drafting discharge summaries, patient education materials or initial research summaries.