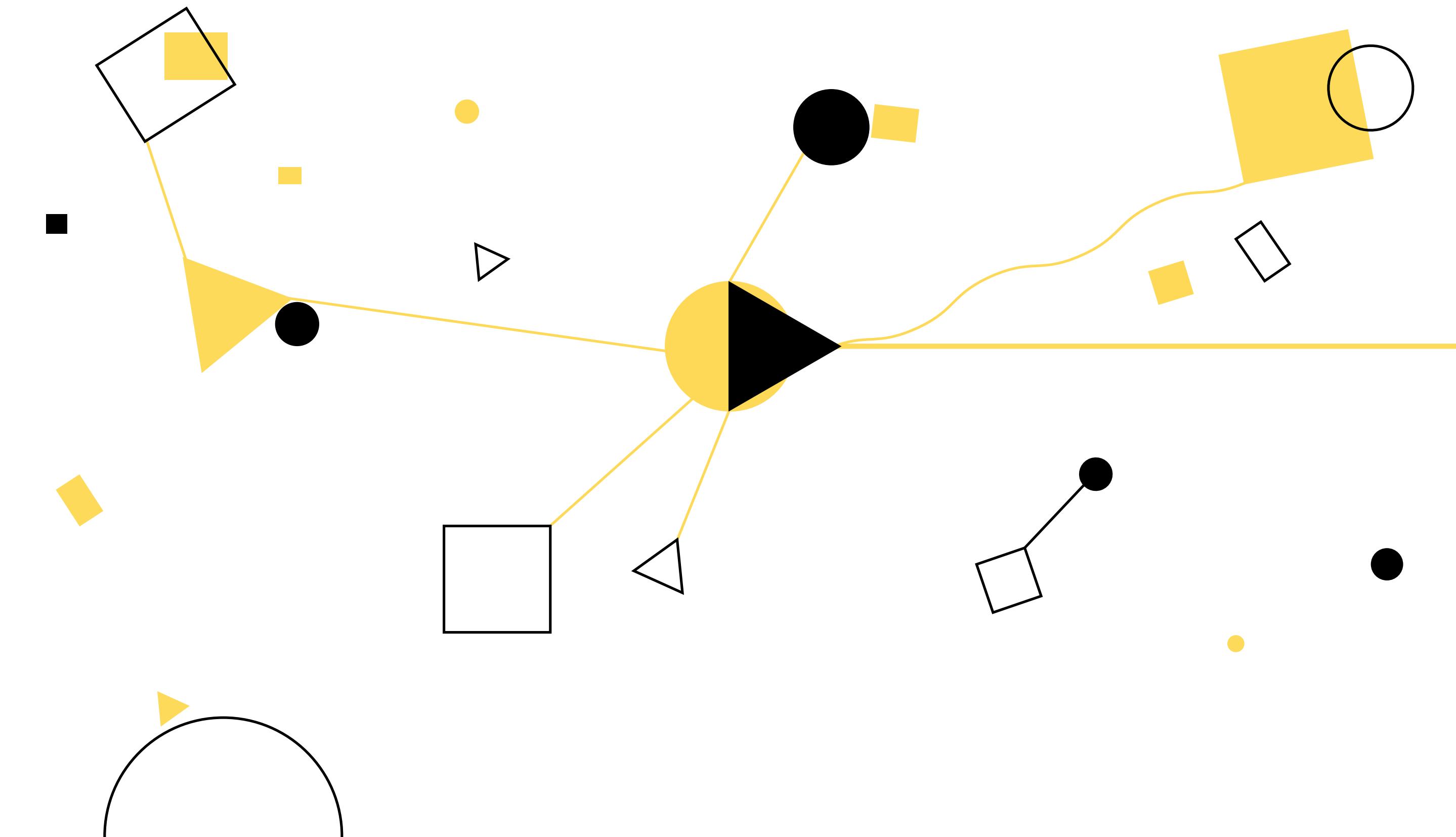
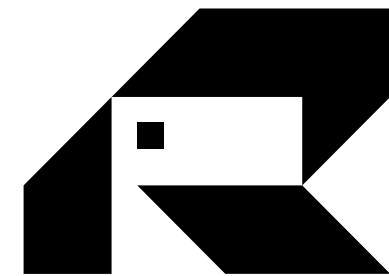


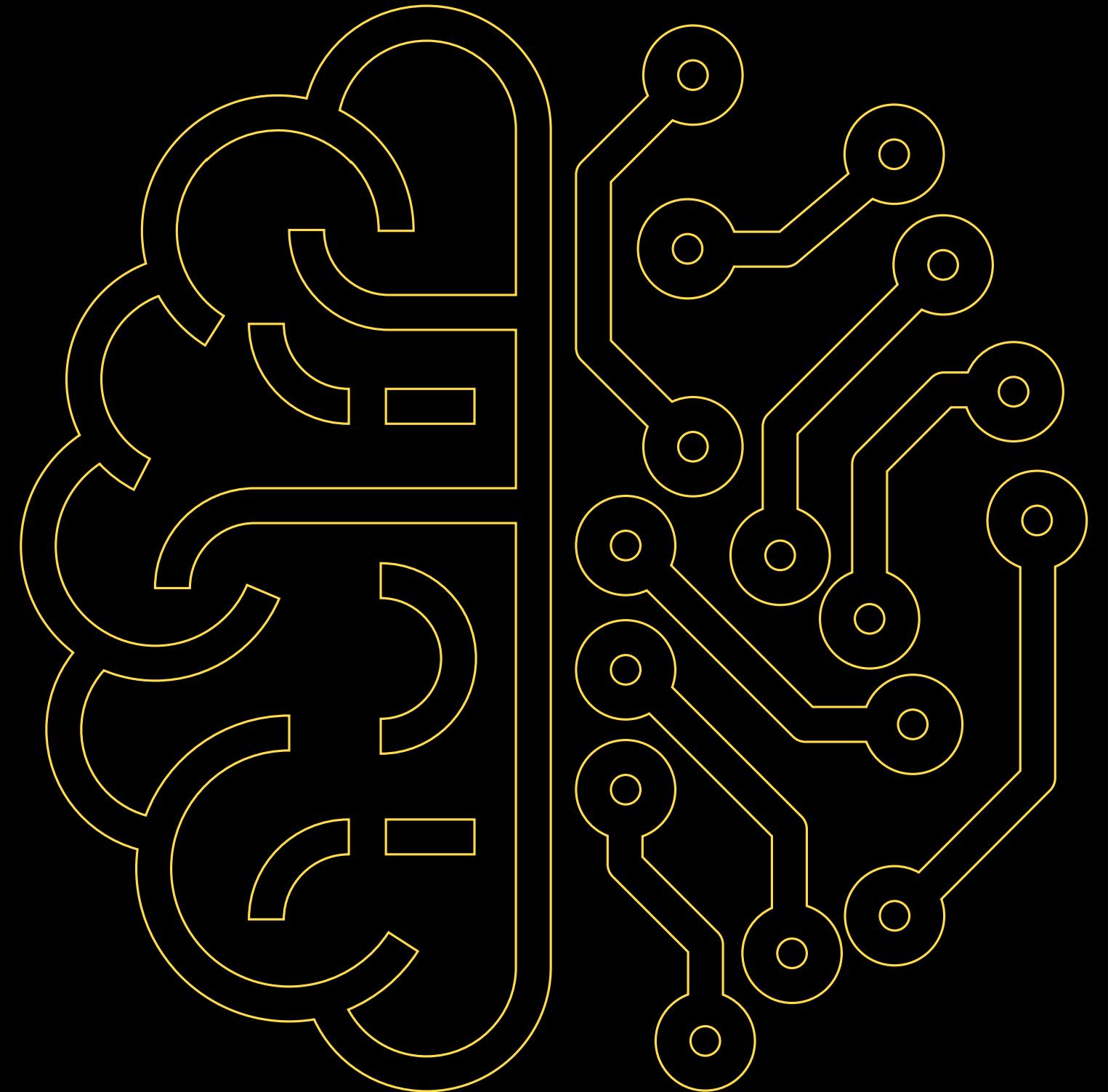
# **HOW AI AND RPA ARE TRANSFORMING HEALTHCARE**

A good number of technologies help healthcare professionals deliver the best patient care at lower costs, with **Artificial Intelligence (AI)** and **Robotic Process Automation (RPA)** being the most powerful and progressive tools.

Many healthcare providers have already capitalized on various AI tools and seen significant changes in patient care processes and other hospital operations: **from more accurate diagnosis to more efficient schedule and workflow management.**

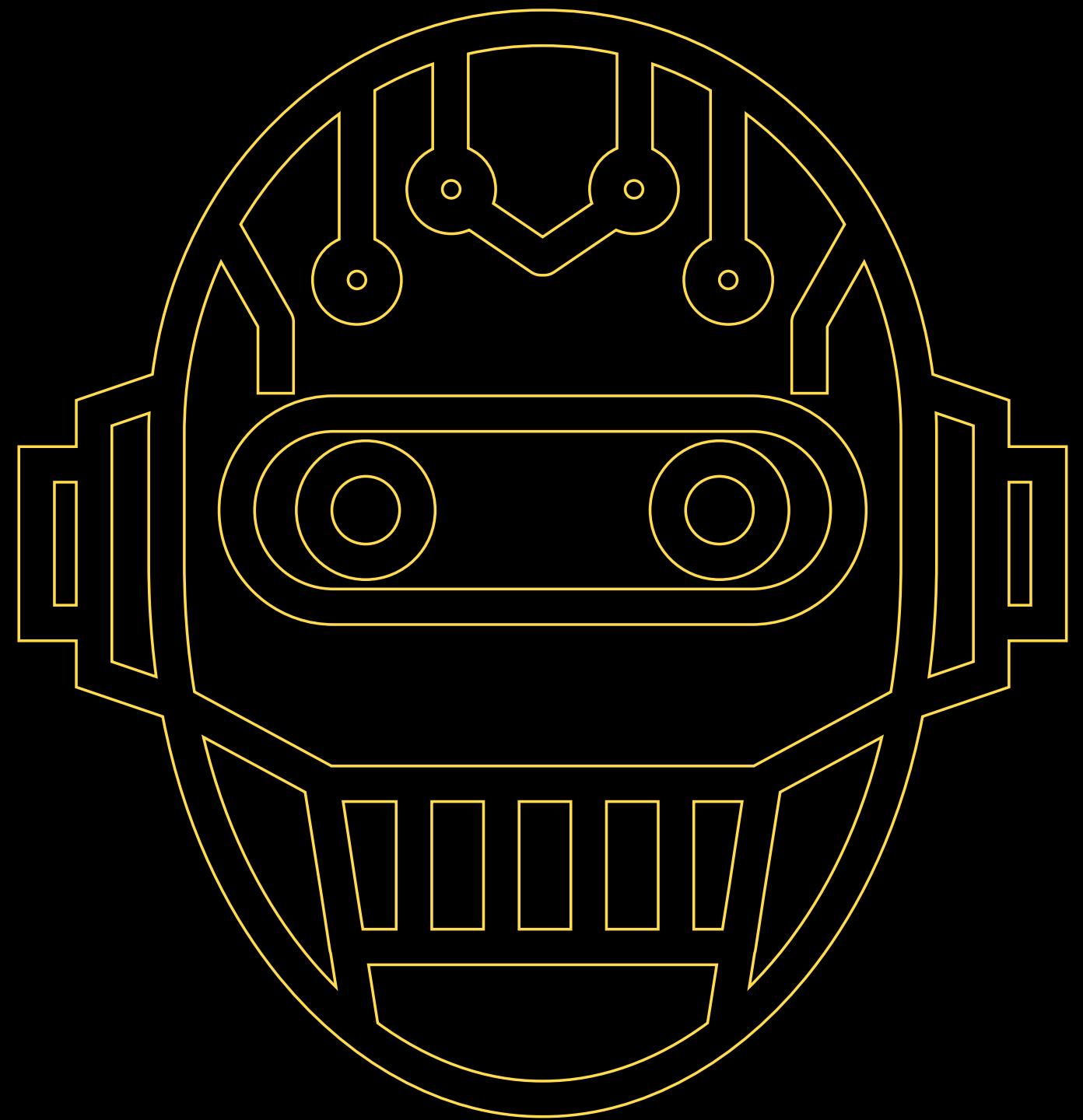
# What are Artificial Intelligence and Robotic Process Automation?





**Artificial Intelligence** implies the use of complex algorithms and software to emulate human cognition and augment human capabilities through infusing intelligence into machines and connected devices.

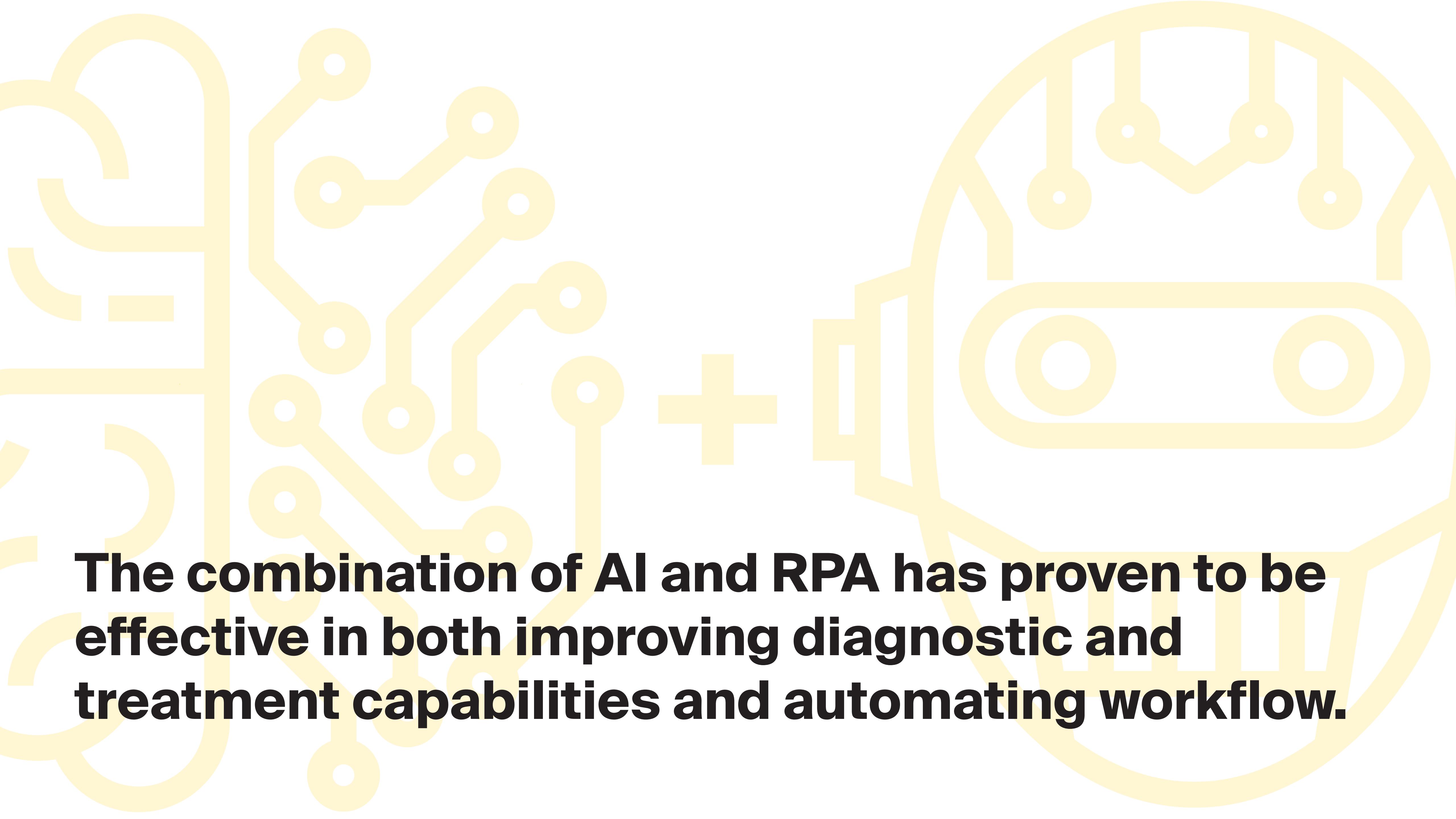
AI is not just one technology. Rather it is a collection of them: Machine Learning, Deep Learning, Computer Vision, and others.



## **Robotic Process Automation**

is the use of specialized software to standardize and automate repeatable processes.

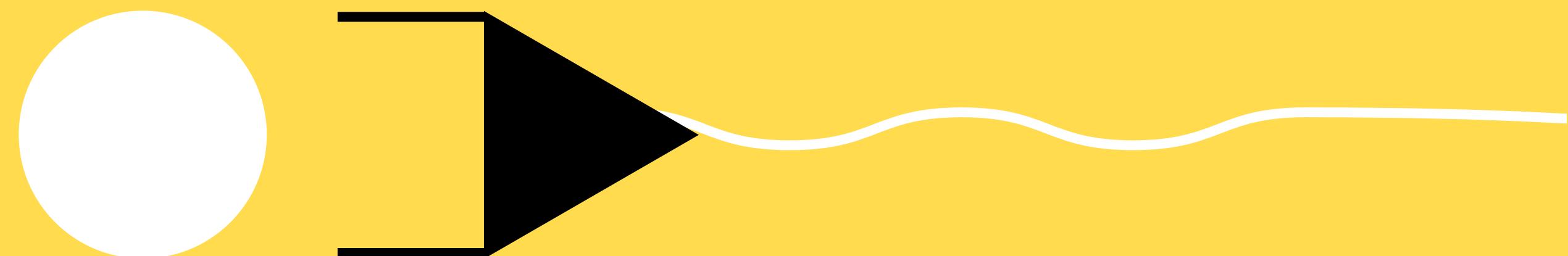
It is designed to handle and automate various mundane and repetitive manual tasks. For example: filling in forms, extracting data from documents, rectifying repetitive errors, and more.



**The combination of AI and RPA has proven to be effective in both improving diagnostic and treatment capabilities and automating workflow.**

# AI-driven Diagnosis

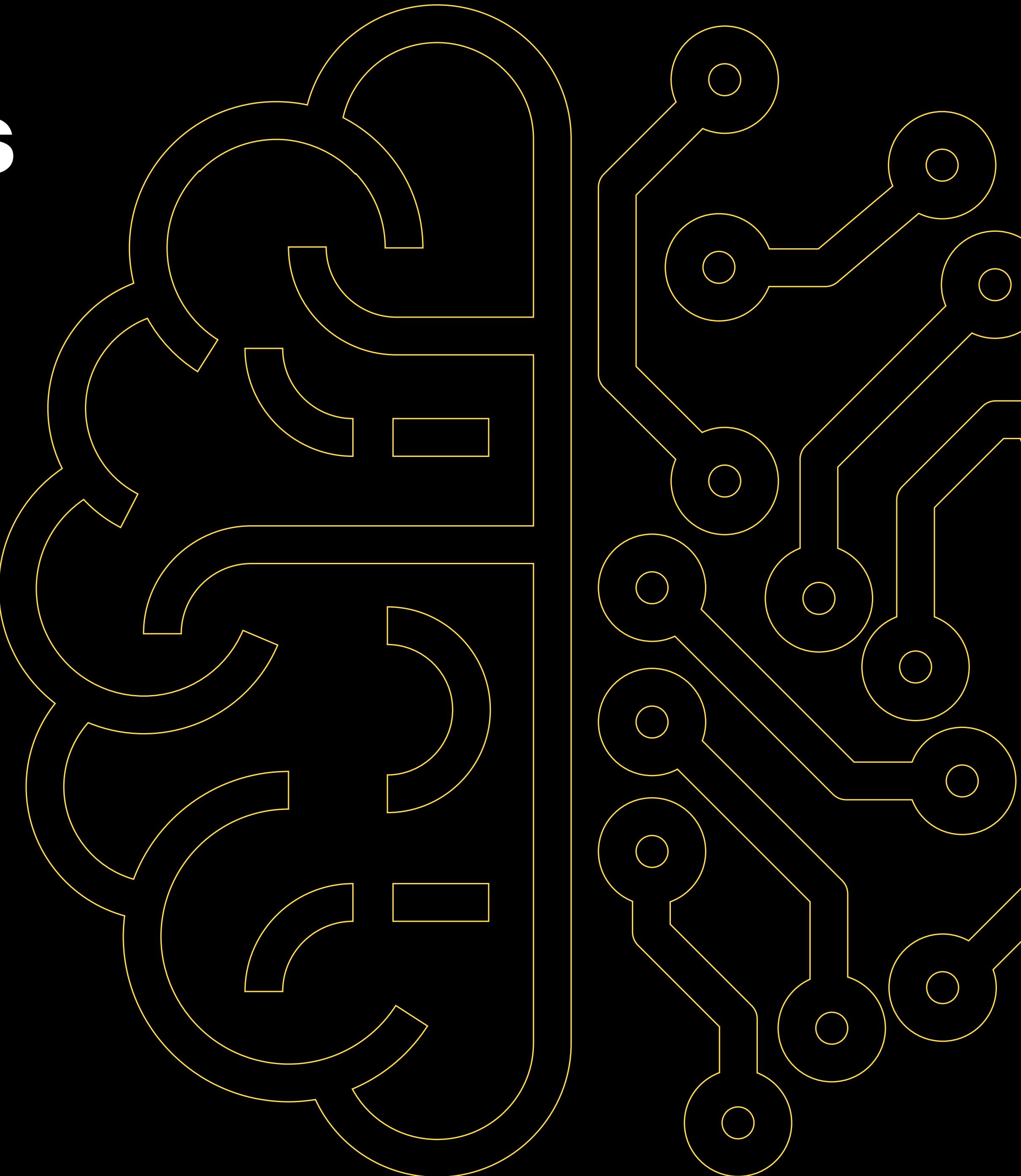
Using AI-enabled decision support algorithms, medical specialists can now gain a fast and accurate view of possible diseases, which dramatically cuts the time and efforts for diagnosis.



AI processes tons of data and spots the most likely causes for symptoms in no time, thus drastically reducing the diagnosis-treatment-recovery cycle for many patients.

# AI-driven Diagnosis

- ◆ Patient Data and Risk Analytics
- ◆ Automated Medical Conditions Diagnosis
- ◆ AI-enabled screening for diseases

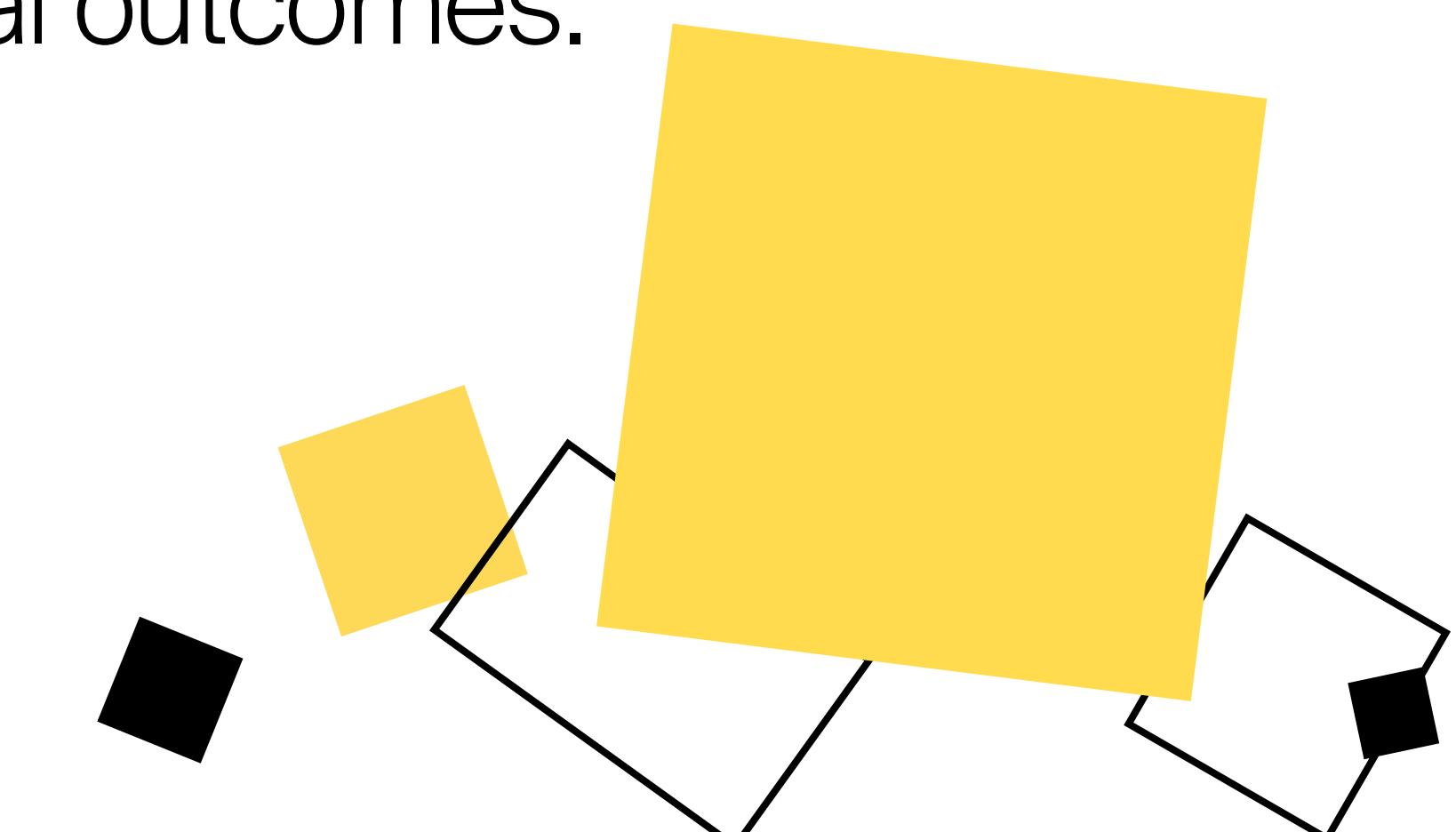


# Smarter Treatment

**AI is empowering regular clinical decision support systems (CDSS).**

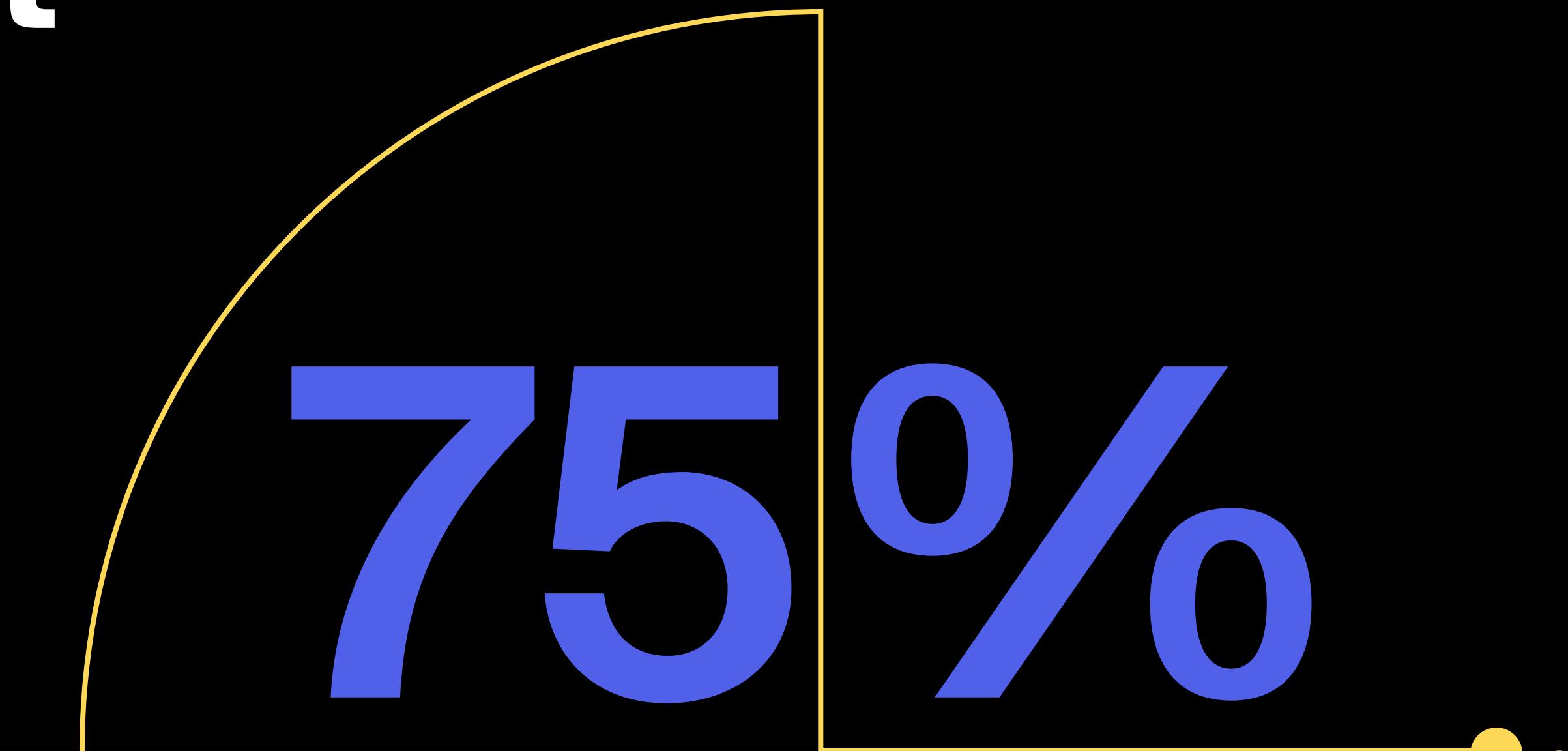
When enhanced with AI, such systems generate personalized recommendations or predictions based on Big Data and a particular patient's data.

They help create personalized treatment scenarios, come up with the most effective drug treatment options, accurately predict clinical outcomes.



# Smarter Treatment

- ◆ AI for predictive analytics
- ◆ AI for personalized healthcare and treatment plans
- ◆ AI-enabled dosage error reduction systems
- ◆ Predictive health trackers
- ◆ AI for reducing clinical errors



75%

of doctors agree that AI has enabled better predictions in disease treatment\*

\*According to the MIT Technology Review Insights and GE Healthcare survey, 2019

# More Productivity with AI

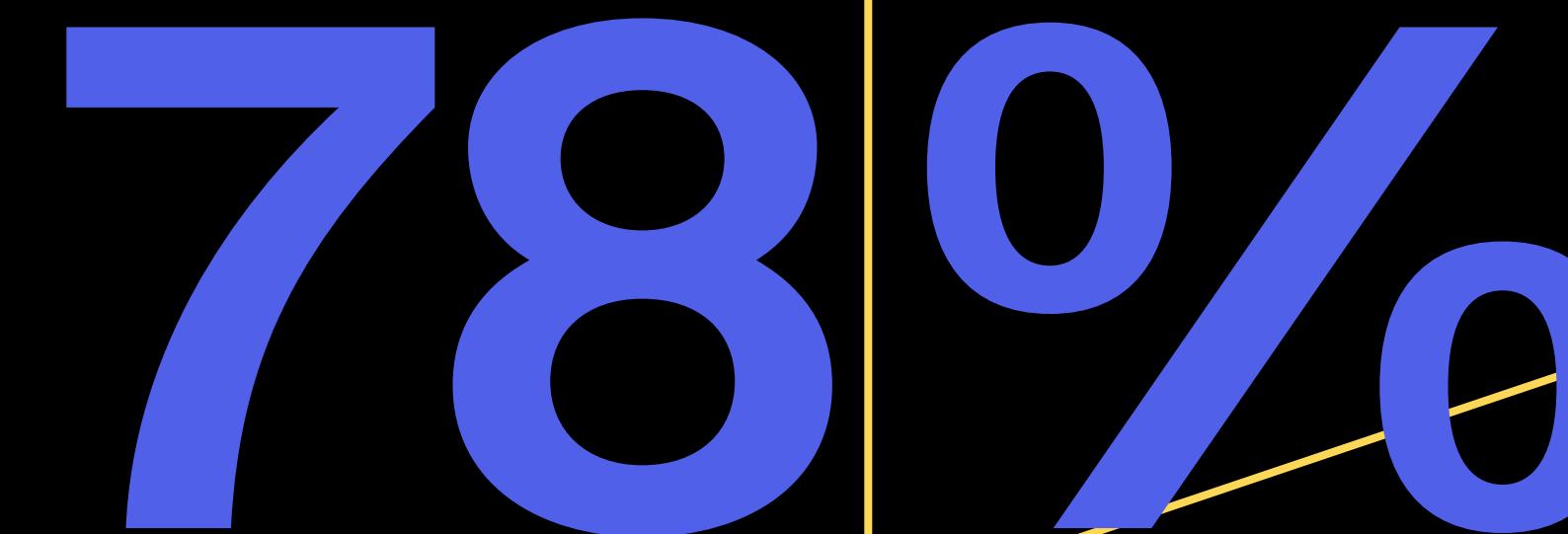
**AI and RPA are used to take over many of a physician's daily tasks: scheduling, updating health records, taking notes, and others. The more tasks AI takes on, the less time doctors waste at computers.**

AI-enabled clinical tools help medical professionals to handle the growing data flow. And the fastest access to accurate patient data is exactly what AI gives.

Using AI for 'smart' scheduling opens up more slots, which helps attract more patients and match them with specialists more effectively.

# More Productivity with AI

- ◆ Automation of electronic health records
- ◆ AI for scheduling
- ◆ AI for patient flow optimization

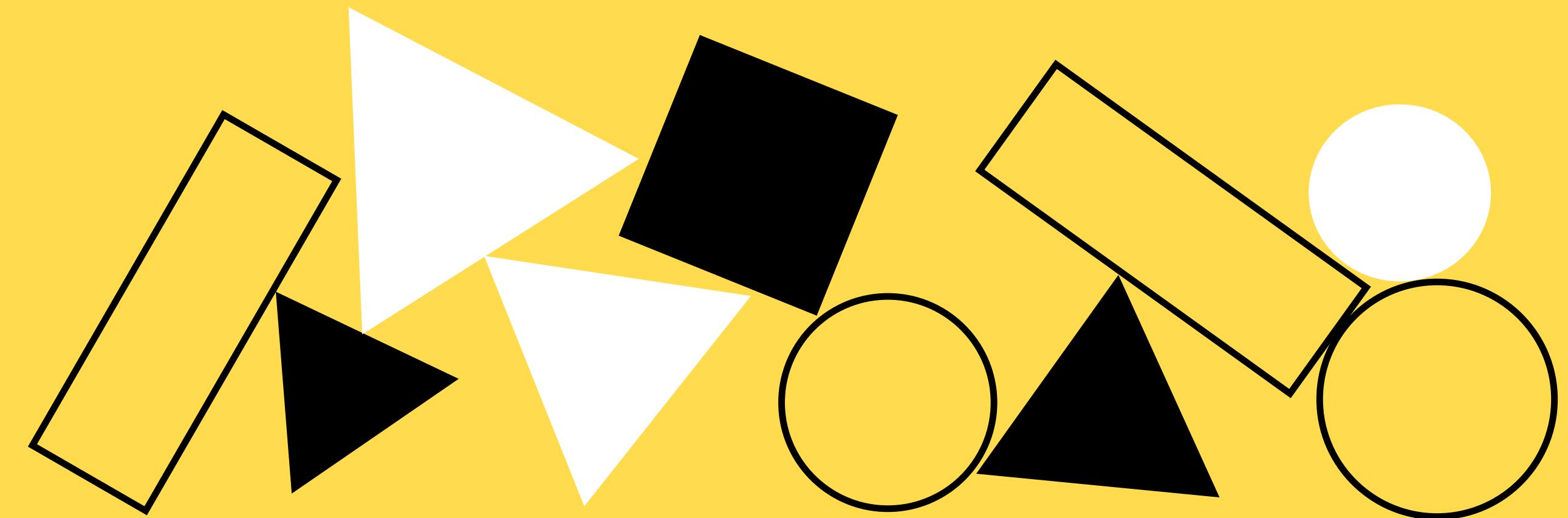
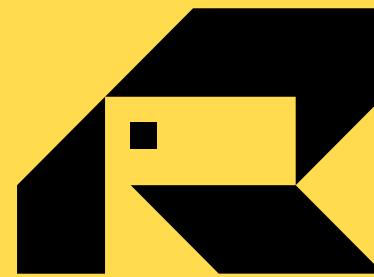


78%

of employees are already experiencing the workflow improvements brought by AI\*

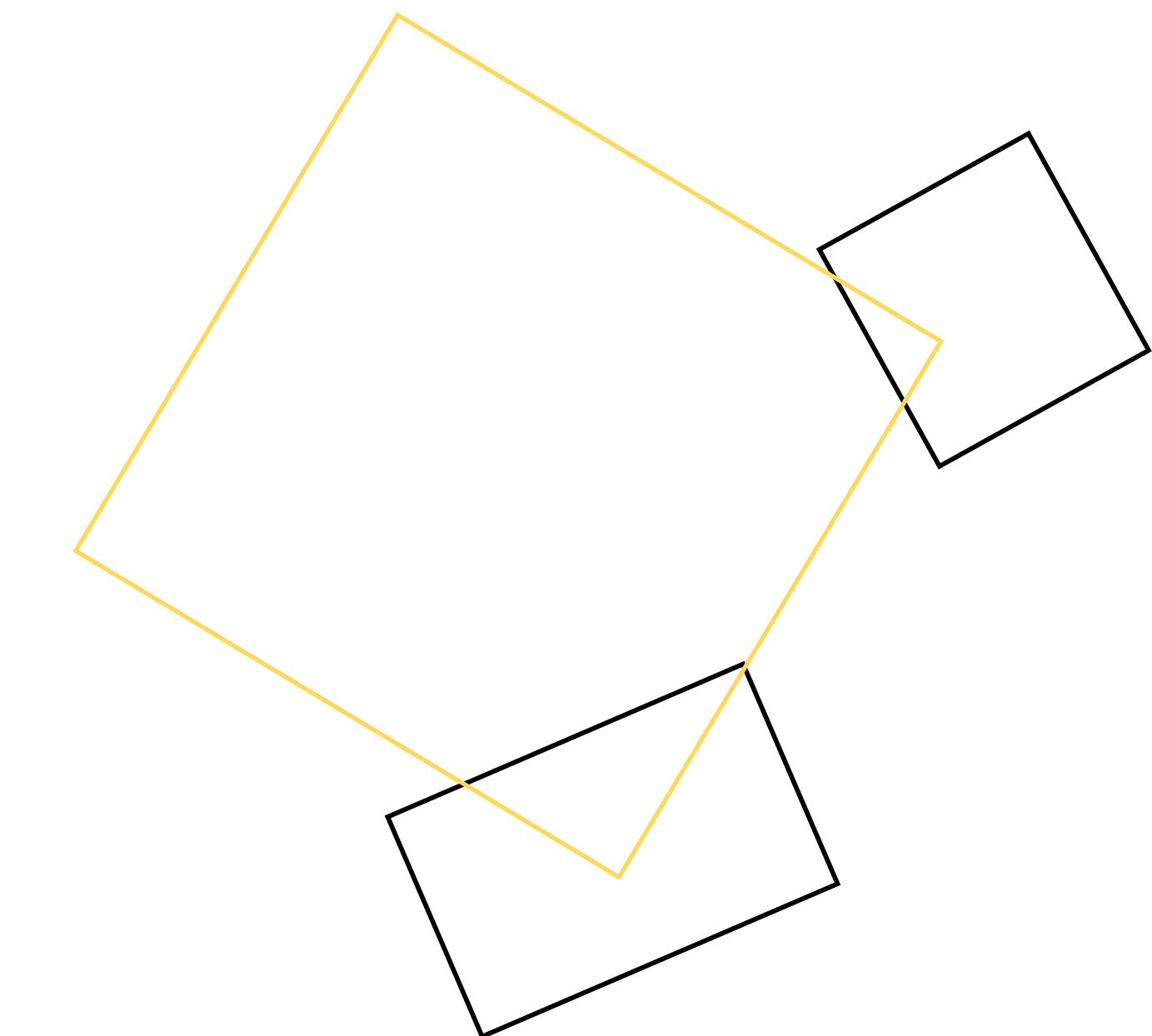
\*According to the MIT Technology Review Insights and GE Healthcare survey, 2019

# HOW WE APPLY AI AND RPA TO MEET HEALTHCARE CHALLENGES



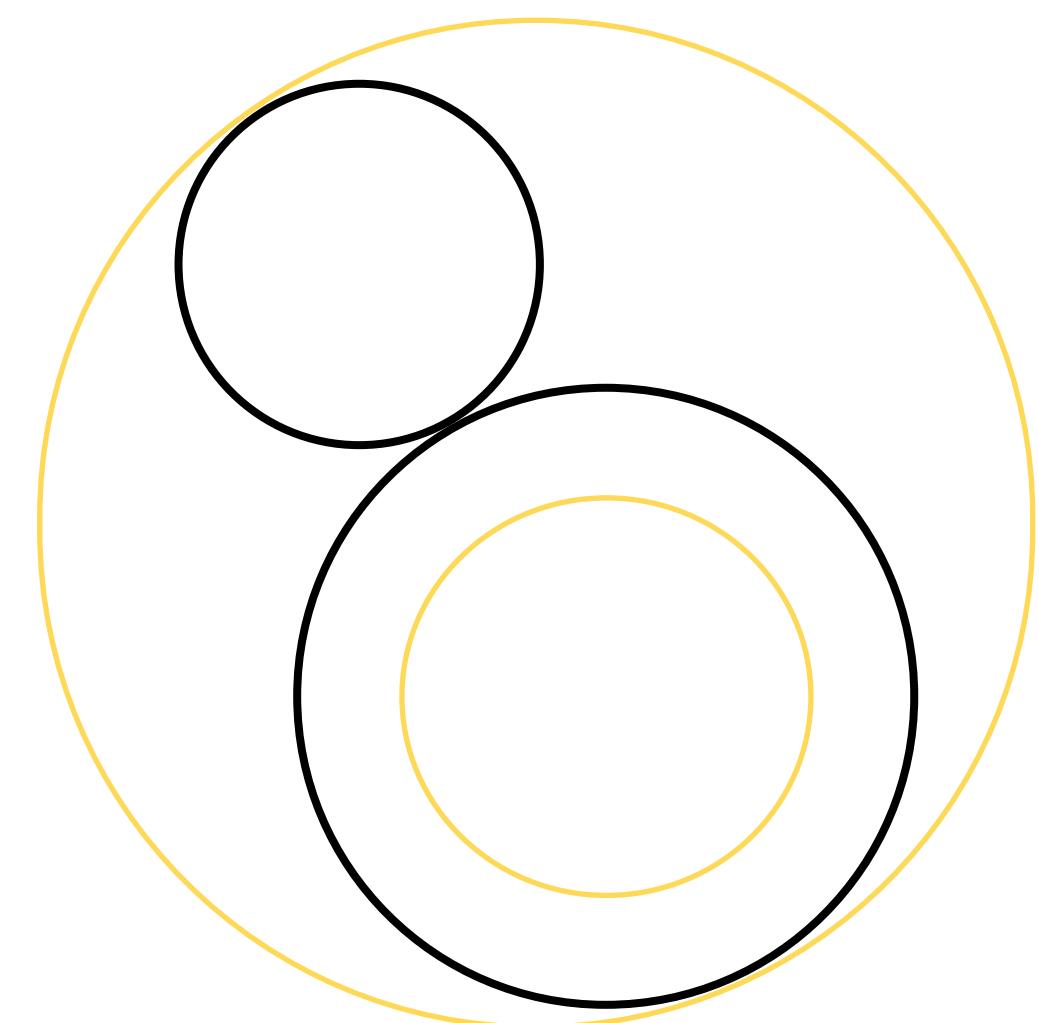
## AUTOMATED PATIENT SCHEDULING SAVES DOCTORS' TIME

Our RPA solution automatically synchronizes patient appointments data from multiple electronic medical records (EMR) systems. That way it helps to drastically reduce both the time doctors spend on mundane work and the human error.



## AI PLATFORM IMPROVES CANCER PROGNOSTIC ACCURACY AND RECOMMENDS BETTER TREATMENT OPTIONS

MyCancerJourney, a groundbreaking big data platform, leverages the largest cancer outcomes dataset of its kind. The artificial intelligence platform we developed provides a clear, unbiased, and comprehensive picture of cancer treatment options to support more informed decisions.



# ENHANCE YOUR MEDICAL CARE WITH AI AND RPA

Bring us your challenge!

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