Top Artificial Intelligence Companies In Healthcare To Keep An Eye On

Read about the biggest artificial intelligence companies in healthcare ranging from start-ups to tech giants to keep an eye on in the future.

By Barbara Weeks, PhD
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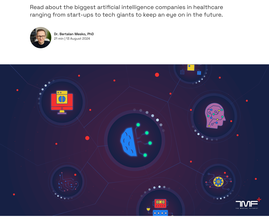


Key Takeaways

The medical AI field is rapidly evolving with a mix of startups and tech giants, all set on revolutionizing healthcare.

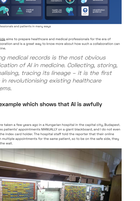
AI is continues to demonstrate its efficacy in healthcare, such as through improved diagnostic accuracy, drug industry, table the challenge of integrating these advancements in a way that is safe, accessible and fair to all patients.

The first healthcare hospital where AI will have a profound impact will likely be administration, medical imaging, and drug development.

Artificial Intelligence has to and will redesign healthcare

As we circulate that artificial intelligence has unimaginable potential. Within the next couple of years, it will revolutionize every area of our life, including healthcare. However, many have their fears and doubts about AI taking over the world. Stephen Hawking even said that the development of full artificial intelligence could spell the end of the human race. However, AI has the potential to revolutionize the way we approach healthcare, ensuring that the AI tools are used in the most successful ways of cooperation between humans and machines.

Concerning healthcare, artificial intelligence will redesign it, and it will redesign it — and for the better. It could help medical professionals in designing treatment plans and finding the best suited methods for patients that will lead to more successful treatment outcomes. Artificial intelligence can concentrate on their actual jobs instead of e.g. fighting with the inadequate IT systems.


Medical professionals
Medical Imaging
Drug Development
Administration
Medical Imaging
Medical Imaging
Medical Imaging

high unmet needs. For instance, the company announced in September 2019 that it discovered a novel treatment target and corresponding drug candidate for Wilson's disease. Deep Genomics is also working on its Project Saturn, which it describes as a "toolkit for controlling cell biology along crucial pathways", which will allow for faster discovery of therapies.

4) Turbine

Originating in Hungary, Turbine developed its proprietary Simulated Cell technology, a virtual high-definition tumour cell based on manually curated literature that can be customised into a desired model. Millions of simulated experiments, guided by an AI, can then be run on this model to analyse and better understand the underlying pathomechanism and design the best therapy.

Source: https://turbine.ai/

The technology is already used in collaborations with Bayer, the University of Cambridge, and top Hungarian research groups to find new cancer cures, speed up the time to market, and save the lives of patients suffering from currently incurable forms of the lethal disease. Turbine entered a collaboration with AstraZeneca in 2024 to identify and understand mechanisms of resistance to therapy in hematological cancers.

Health Management

1) Ada Health

Ada is a health company based in Berlin that operates an end-user self-assessment app. The app started out as a Platform as a Service (PaaS) for doctors and was adapted in 2016 to focus on the bits patients could understand. The app has almost 14 million users. It takes reported symptoms, matches them with symptoms of patients of similar age and gender, and reports the statistical likelihood that the patient has a certain condition. It is currently available in English, German, Spanish, Portuguese, Swahili, Romanian, and French.

The app became available in Epic App Orchard in May 2022 and received a Class IIa medical device certification in Europe in the fall of 2022.

2) MySense AI

MySense is a wellbeing analytics platform. It collects data related to the activities of daily living through passive IoT sensors. Its AI algorithm learns an individual's behavior patterns to establish what 'being well' looks like for that person. The platform allows patients to monitor their health at home and identify declines in health in real time.

An interesting cooperation is between the company and the South Warwickshire NHS Foundation Trust, which aims to help people remain in their homes and retain their independence for longer, and the use of their technology seems to dramatically reduce the number of hospital visits.

3) Diabeloop

Diabeloop is a key player in therapeutic AI applied to insulin delivery. Its solution for automated type 1 diabetes treatment calculates the insulin doses patients need throughout the day and administers them in an automated and personalised manner.

The company announced the results of a 12-month data-collecting study in 2022, the cohort included 4,162 patients across Germany, Italy, Spain, The Netherlands, and Switzerland. The study demonstrated time-in-range improvements of 17.6% over one year of real-world use. Patients spent less than 20 minutes per day in hypoglycemia (low blood sugar).

4) Skinvision

Skinvision developed an app to remotely evaluate suspicious skin lesions. Users take a picture of the lesion in question, upload it to the app, fill out a short questionnaire and will receive a preliminary evaluation prepared by the AI algorithm in a few minutes. This preliminary diagnosis will be followed by a final evaluation conducted by a human dermatologist in 1-2 days.

5) Woebot

Woebot is an AI-powered mental health app that uses cognitive behavioral therapy tools to support teen and adult users in finding their inner peace. The chat algorithm obviously doesn't substitute a trained psychologist or psychiatrist, however, many users reported that the app helped them take the first step. They often reflected on the positive aspects of using their phones as mental help: you don't have to leave your apartment and there is no stigma attached to the "sessions".

A study found that the app was able to effectively engage people with depression in empathetic conversations and assist in the treatment of their symptoms.

Care Coordination and Disease Detection

1) Viz.ai

Viz.ai is a leading player in the application of artificial intelligence to disease detection and care coordination. Their flagship product, Viz.ai One, is an AI-powered platform that rapidly analyzes medical images to identify suspected diseases, such as strokes, aneurysms, and intracranial hemorrhages. This technology significantly accelerates the diagnostic process, enabling faster treatment decisions and potentially improving patient outcomes.

Viz.ai also offers Viz Connect, a communication tool that facilitates seamless collaboration among multidisciplinary care teams. By streamlining workflows and enabling real-time communication, Viz Connect ensures that the right specialists are alerted and involved in the patient's care as quickly as possible. Viz.ai's solutions are already deployed in numerous hospitals and health systems, helping to transform the way critical care is delivered.

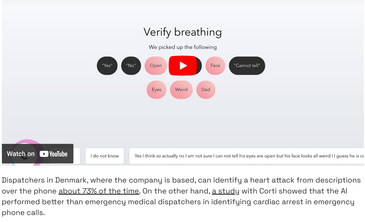
2) Hippocratic AI

Hippocratic AI focuses on developing generative AI "agents" that assist healthcare professionals by handling non-diagnostic tasks through empathetic, conversational interactions. These AI agents, powered by Hippocratic's healthcare-focused large language model (LLM) and NVIDIA's technology, have been tested and shown to outperform human nurses in some tasks, such as identifying medication impacts and detecting toxic drug dosages.

Their virtual nurses are capable of handling routine patient calls for checkups, risk assessments, pre-op instructions, and other non-emergency medical interactions. These AI nurses are designed to improve access to care, reduce costs, and free up human clinicians for more complex tasks – and cost approximately $9 per hour.

3) Corti

By listening in on patient interviews, analysing the caller's voice and background noises, and taking insights from historical data and artificial neural networks, the AI is able to understand the context and patterns in critical conversations. In this way, it can assist emergency medical professionals by alerting them if, say it identifies a heart attack in progress and making life-saving decisions. Their AI assists dispatchers through the triaging flow, but also listens in to the interview and makes suggestions, like a real-time second opinion.



Dispatchers in Denmark, where the company is based, can identify a heart attack from descriptions over the phone about 73% of the time. On the other hand, a study with Corti showed that the AI performed better than emergency medical dispatchers in identifying cardiac arrest in emergency phone calls.

If you know about other companies disrupting healthcare through artificial intelligence, please let us know!

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