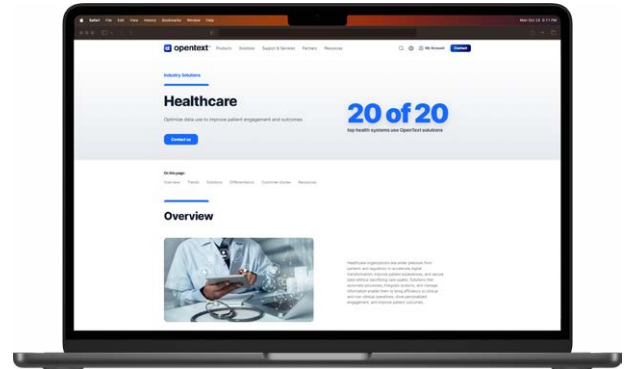


The transformative role of generative AI in healthcare

How to elevate personalized care and health delivery



The convergence of technology and innovation continues to redefine patient care. Generative artificial intelligence (GenAI) has emerged as a disruptive force to revolutionize personalized care, improve chronic disease management, and help address social determinants of health in care delivery. As this technology continues to evolve, the potential to enhance patient outcomes, streamline healthcare processes, and mitigate healthcare disparities is increasingly evident.

- 1 Personalized treatment plans:** Generative AI creates care plans based on each patient's unique health history, genes, and lifestyle. This helps doctors choose treatments that work better with fewer side effects.
- 2 Better diagnosis:** AI can spot small details in medical images and patient records that humans might miss. This helps find health problems earlier, when they're easier to treat.
- 3 Less paperwork:** AI writes clinical notes and fills out forms, giving healthcare workers more time to spend with patients instead of doing paperwork.
- 4 Predicting health problems:** By studying patient data over time, AI can predict when someone's health might get worse. This lets doctors step in sooner to prevent serious problems.
- 5 Healthcare for everyone:** AI brings expert medical knowledge to places that don't have many specialists. This helps all doctors make better decisions about patient care.
- 6 Faster medicine development:** AI speeds up the search for new medicines by quickly testing how different molecules might work. This brings new treatments to patients faster.
- 7 Better patient education:** AI creates health information that matches each patient's understanding level and background. This helps patients learn better ways to care for themselves.

Learn more about the [Transformative role of generative AI in healthcare](#) ›

“Gen AI represents a meaningful new tool that can help unlock a piece of the unrealized \$1 trillion of improvement potential present in the industry.”¹

McKinsey & Company