Medtronic
Engineering the extraordinary

# Artificial intelligence in healthcare

How we're turning insights into action to **transform the future of healthcare technology**

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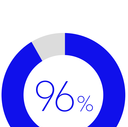
## AI may improve efficiency, detection, and treatment

96%[1] of clinicians agree that seamless **access to critical medical data through artificial intelligence** (AI), and effective treatment plans, can save lives.

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## How AI tackles today's healthcare challenges

AI can minimize time spent on routine, administrative tasks, which can take up to **70%[2] of a healthcare practitioner's time.**

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## 1. Relieves physician burnout

The pandemic has placed extra strain on physicians.

Their jobs are making them physically and mentally exhausted. **The burnout rate jumped almost 5%[3] last year alone.**

AI can reduce these burdens.

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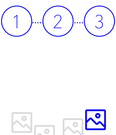

## 2. Improves efficiency

AI can scan thousands of images in **real time to enhance clinical decision-making.**

This can help inform diagnosis or improve procedure outcomes.

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## Turning insights into action

AI solutions are designed to give healthcare professionals the time and tools they need to deliver care to more people around the world, by:

- **Improving accuracy:** Our AI assisted intelligent endoscopy module shows **50%[4] reduction in missed colorectal polyps.**

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## Turning insights into action

- **Supporting training and education:** AI provides an adaptive learning experience sourced from real-life cases. Surgeons worldwide can learn from one another to reduce variability and share best practices.
- **Prioritizing patient care:** AI can put people first by helping tailor treatment for each individual.
- **Fostering equity in healthcare:** By analyzing diverse data sets, AI can help clinicians promote greater health equity.

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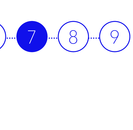
## Turning insights into action

- **Enhancing data analysis:** More informed decision-making for clinicians can mean better outcomes for patients.

Insights from the massive amounts of data available can help us **make giant leaps in the delivery of care.**



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## AI-powered solutions can revolutionize healthcare technology to strengthen, lengthen, and save lives.


1. Medtronic. 5 ways artificial intelligence is transforming healthcare. Medtronic Website. https://www.medtronic.com/us-en/our-company/artificial-intelligence-healthcare-technology.html. Accessed Aug. 3, 2022
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