

# AI images and medical science

Computers can process information much more quickly than humans

If items can be identified effectively this can mean that data can be searched and sorted more quickly

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In **medical science**, AI tools are being used to spot signs of cancer in patients

By being able to work quickly, scans can be checked quicker. AI tools have also started to become more effective than humans

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**My breast cancer was too small to be detected by the human eye - it was found by AI**

[BBC article March 2026](#)

**Artificial intelligence is nearly twice as good at grading the aggressiveness of a rare form of cancer from scans as the current method, a study suggests.**

By recognising details invisible to the naked eye, AI was 82% accurate, compared with 44% for lab analysis.

Researchers from the Royal Marsden Hospital and Institute of Cancer Research say it could improve treatment and benefit thousands every year.

[BBC article November 2023](#)

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**An AI tool tested by the NHS successfully identified tiny signs of breast cancer in 11 women which had been missed by human doctors.**

The tool, called Mia, was piloted alongside NHS clinicians and analysed the mammograms of over 10,000 women.

Most of them were cancer-free, but it successfully flagged all of those with symptoms, as well as an extra 11 the doctors did not identify.

At their earliest stages, cancers can be extremely small and hard to spot.

The BBC saw Mia in action at NHS Grampian, where we were shown tumours that were practically invisible to the human eye. But, depending on their type, they can grow and spread rapidly.

[BBC article March 2024](#)

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AI can also check X rays as well as a human and can be used to check for other diseases as well

**How AI can spot diseases that doctors aren't looking for**

[BBC article January 2025](#)

**Artificial Intelligence (AI) can analyse X-rays and diagnose medical issues just as well as doctors, a study has claimed.**

Software was trained using chest X-rays from more than 1.5m patients, and scanned for 37 possible conditions.

It was just as accurate or more accurate than doctors' analysis at the time the image was taken for 35 out of 37 conditions, the University of Warwick said.

The AI could reduce doctors' workload and delays in diagnosis, and offer radiologists the "ultimate second opinion", researchers added.

[BBC article  
December 2023](#)