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Breast cancer tests better with Google Health AI – 4th January, 2020

Level 0

Doctors have a new way to find breast cancer. It is called Google Health. It uses Artificial Intelligence (AI) to find anything strange in breast tissue. The AI read thousands of X-ray results. Doctors use X-rays to find breast cancer. Google Health will help doctors to read X-rays more quickly and more accurately.

Google Health read X-rays from more than 91,000 women. The software did better at reading X-rays than doctors. Google Health said it is "proud". It said: "We are on our way to developing a tool that can help doctors spot breast cancer with greater accuracy." There were two million new cases of breast cancer in 2019.

Level 1

Doctors have a new tool to find breast cancer. It is called Google Health. It uses Artificial Intelligence (AI) to find anything strange in breast tissue. Researchers trained an AI program to do this. It read thousands of X-ray results from the past decade. Doctors currently use X-rays to find breast cancer. Google Health will help doctors to read X-rays more accurately. Currently, two doctors agree if an X-ray shows cancer. Google Health will do this more quickly.

Google Health worked with experts from a London university. They input X-rays from more than 91,000 women into its software. In hospital tests, the software did better at reading X-rays than six doctors. Google Health said: "Our team is really proud....We are on our way to developing a tool that can help doctors spot breast cancer with greater accuracy." The World Cancer Research Fund said there were two million new cases of breast cancer in 2019.

Level 2

Doctors have a new tool to diagnose breast cancer. It is called Google Health. The tool uses Artificial Intelligence (AI) to find anything abnormal in breast tissue. Researchers trained an AI program to find abnormalities. It read lots of results from X-rays over the past few years. Doctors currently use X-rays to detect breast cancer. Google Health will help doctors to read X-rays more accurately. The current system is that two doctors agree on whether or not an X-ray shows cancer. If they cannot agree, they ask a third doctor. Google Health will do this more quickly.

Researchers from Google Health worked with experts from a London university to design the program. They input X-rays from more than 91,000 women in the UK and USA into its software. This then produced an algorithm. In hospital tests, the algorithm did better at reading X-rays than six doctors. Google Health said: "Our team is really proud of these research findings, which suggest that we are on our way to developing a tool that can help doctors spot breast cancer with greater accuracy." The World Cancer Research Fund said two million new cases of breast cancer were reported in 2019.

Level 3

Doctors have a new tool to use when diagnosing breast cancer. It is called Google Health, and of course comes from Google. The tool uses Artificial Intelligence (AI) to recognise anything abnormal in breast tissue. Researchers trained the AI program to detect abnormalities. It read a huge number of results from X-rays over the past few years. X-rays are currently what doctors use to detect breast cancer. The Google Health program will help doctors in reading these X-rays more accurately. The current system is that two doctors agree on whether or not an X-ray shows cancer. If they cannot agree, they ask a third doctor. Google Health will make this diagnosis quicker.

Researchers from Google Health worked with experts from Imperial College London to design the AI program. They trained the program by inputting X-rays from more than 76,000 women in the U.K. and more than 15,000 in the USA into its software. The software then produced an algorithm. In hospital tests, the algorithm did better at reading X-rays than six doctors. Google Health spokesperson Dominic King said: "Our team is really proud of these research findings, which suggest that we are on our way to developing a tool that can help doctors spot breast cancer with greater accuracy." The World Cancer Research Fund said over two million new cases of breast cancer were reported in 2019.

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