

Breast screening participants' views on artificial intelligence for breast cancer screening

We would like to find out your views on the use of artificial intelligence for breast cancer screening.

Taking part is **voluntary** and your responses will be completely **confidential**. None of the health care professionals involved in your care will know whether or not you have responded. If you have any questions about this survey, you can contact Dr Clarisse de Vries at: telephone xxxxxxxxxxxx, email xxxxxxxxxxxx.

In the future, an artificial intelligence (AI) computer program could examine a person's breast X-ray images (mammograms).

Currently, two specialists examine a person's mammograms. They both give their opinion on whether the person should be invited back for additional exams. If they disagree with each other, a third specialist decides.

Below are a few scenarios on the use of AI in breast screening. Please circle the opinion that most closely reflects your views.

1. **Instead of two specialists examining your mammograms, a specialist and the AI examine your mammograms. If they disagree, a different specialist will make the final decision**

Strongly Object *Object* *Neutral* *Approve* *Strongly Approve*

2. **The AI examines your mammograms without input from specialists and decides if you are invited back for further investigation**

Strongly Object *Object* *Neutral* *Approve* *Strongly Approve*

Please turn over to complete



3. **The AI examines your mammograms – if the scan is very likely to be normal you are not invited back for further investigation. If the AI is unsure or the image appears abnormal a human specialist will also review your image**

Strongly Object Object Neutral Approve Strongly Approve

4. **All mammograms continue to be examined by specialists as is the current practice. They have access to an AI to help them make their decision**

Strongly Object Object Neutral Approve Strongly Approve

5. **If the use of an AI would lead to faster screening results, would you be more likely to object to or approve of any of the above scenarios?**

More likely to Object No influence More likely to Approve

Please tell us about yourself by answering the following questions.

6. **How old are you?**

50-54 55-59 60-64 65-70 Older than 70

7. **Do you have a family history of breast cancer?**

Yes No

8. **Is this your first breast screening visit?**

Yes No

9. **My understanding of artificial intelligence is:**

Very Poor Poor Average Good Excellent

Thank you very much for your time.