



Patient views on the use of artificial intelligence for chest X-rays

Tell us about your views on the use of Artificial intelligence (AI) in healthcare by completing this short questionnaire. NHS Grampian has a new artificial intelligence tool called Annalise CXR model which helps prioritise urgent chest x-rays and helps doctors when looking at your chest X-ray. This tool can help your doctor diagnose your condition and does not work on its own. We want to hear your views to improve care and the use of artificial intelligence in healthcare.

Participation is **voluntary** and responses will remain **confidential**. Your participation does not affect the quality of care you will receive. None of the health care professionals involved in your care will be informed about your responses.

Please contact Dr. Andrew Kyeremeh via email xxxxxxxxxx if you have any further questions.

Thank you

Please turn over to complete



Please fill spaces or circle the options that apply.

1. How old are you?

Please indicate _____ **years.**

2. What is your sex?

Male

Female

**Other/Prefer not to
say**

3. What is the highest level of formal education you have obtained?

Primary school

Secondary School

Further education (technical
college/apprenticeship)

University education
(Undergraduate)

University education
(Postgraduate degree)

Other; please specify:

4. How much do you know about the use of Artificial intelligence in healthcare?

Nothing

A little

A moderate

A lot

amount

5. How comfortable are you with the use of artificial intelligence technology in your care?

**Strongly
object
object**

Object

Neutral

Approve

**Strongly
approve**

**I don't
know**

In a few words, can you tell us why?

6. If artificial intelligence (AI) is used to review your x-ray, do you think that it should be:

- Used alone (AI tool looks at your x-ray and provides diagnosis independently)
- A decision aid (Your doctor sees AI opinion, but your final diagnosis is made by your doctor)
- Not used at all

7. If this artificial intelligence tool for chest x-ray is accepted into routine clinical care, would you like the opportunity to opt out of it being used?

Yes

No

I don't know

8. Which of the following would be potentially concerning to you? Tick as many as apply

- The artificial intelligence tool may make mistakes
- Privacy and/or security concerns about my personal data
- No concerns
- Other; please indicate: _____

9. How do you think this artificial intelligence tool, used to prioritise x-rays and to help your doctor review your chest x-ray, will affect your care?

Worsen care

No change

Improve care

I don't know

10. Do you think doctors may rely on the decision made by the artificial intelligence tool rather than their medical expertise?

Yes

Maybe

No

I don't know



11. This artificial intelligence tool determines the order in which chest X-rays are seen by doctors, in order to prioritise patients who need urgent clinical care. To what extent do you approve?

***Strongly
disapprove***

Disapprove

Neutral

Approve

***Strongly
approve***

12. Do you have any further comments on the use of artificial intelligence in your care? Please comment below.
