HEALTHCARE PROFESSIONAL INFORMATION SHEET

Study Title: Stakeholder perspectives about the uses of AI in healthcare: A Qualitative study

This information sheet provides some information to help you decide whether to take part in the study. Please take time to read it carefully before deciding whether to take part. If you would like more information, please ask us.

What is the purpose of the research?

Artificial Intelligence (AI) has been hailed to bring great benefits for healthcare delivery and patient outcomes. While AI is in the early stages of development and implementation in different healthcare settings, the extent to which will impact patient care and the practice of healthcare professionals is unclear. However, the development of and integration of AI technologies is expected to change how healthcare is delivered, reconfiguring clinical workflows and job roles, and impacting patient experience. Understanding the risks and benefits of AI in relation to its impact on healthcare practice, patient safety, data protection, and health equity is required for improving roll-out and readiness among stakeholders and safeguard patients.

This study is exploring public, healthcare professional, and expert perspectives towards uses of AI in healthcare and for wellbeing to determine what they perceive to be the risks and benefits of AI in regard to changing roles, relationships, patient safety patient outcomes, and how they believe AI in healthcare should be regulated. Our research will highlight the key areas viewed by stakeholders requiring to be addressed for AI development and deployment in healthcare and inform recommendations on how various stakeholders can/should be engaged in decision making through the lifecycle of AI systems.

To do this, we will:

- Explore readiness to adopt AI in different areas of healthcare among lay members of the public, patients, and healthcare professionals
- Determine stakeholder perceptions of the risks and benefits of AI in different circumstances, and how they should be balanced
- Identify stakeholders' expectations towards their involvement in AI development and implementation decision making

Why have I been invited?

You have been invited to take part in this research because you are a healthcare professional currently practising in healthcare with or without experience of AI in clinical practice. We invite you to either participate in a focus group of 7-10 individuals or an interview if this is more appropriate for your clinical commitments. If you are interested in the study, but cannot attend a focus group, you will be invited to participate in an individual or paired interview.

Consent

If you do agree to take part in this study, we will ask you consent, this will be formally recorded on a consent form, a copy of which will be sent to you to keep. However, you would be free to withdraw

from the study at any time, without needing to give a reason. You can withdraw by notifying a research team member through the contact details provided, or on the day. This would not affect your legal rights.

You would also be able to withdraw your consent, which would mean that any responses you have given will not be used in the data analysis or be published. Your ability to withdraw your consent continues after the focus group/interview, up until the data is analysed, however, after that point aggregated (grouped) data will be published and in the form of anonymised quotes (meaning identifiers have been removed) which cannot be withdrawn.

What will happen if I do take part?

The focus groups and interviews will be held virtually or in-person (whichever is most convenient for you). If you are unable to attend a focus group but would like to participate in an interview, please let us know. If you are participating in a focus group, these will involve 7-10 participants to discuss topics AI in healthcare. The focus group will last approximately 1 hour. If you are participating in an interview, this is expected to last between 40-60 minutes.

With your consent an audio recording will be made of the focus group or interview. If you do not wish to be audio recorded, unfortunately you cannot participate in the study.

On the day of the focus group or interview, before we start, we will ask you to complete a short, optional, survey asking you about your background.

Are there any risks in taking part in this study?

We do not anticipate any risks to your participation, but you will be sharing your time and information, and giving your opinions. Focus groups and paired interviews also aim to generate discussion between participants, and you may disagree with what others have to say, potentially because of differences in personal values and opinions. Please be respectful of this, and do not repeat what is said in your session to others, to maintain confidentiality. Participation is voluntary and you do not need to give or expand on any information of you do not wish to do so.

Are there any benefits from taking part in this study?

As a participant there will not be any direct benefits to you. Indirectly, through our work with standard setters, oversight bodies, clinical researchers, and industry, the research may inform the development of future guidance, and decision-making approaches for AI in healthcare, helping to ensure that they are responsive to the stakeholders they are designed to protect.

Will my travel costs be reimbursed?

As the study will be conducted virtually, there will be no travel needed.

Who has reviewed this study?

All research studies are checked by an ethics committee to ensure the research is conducted safely and to the best standards. This research has been reviewed by and received favourable opinion through a subcommittee of the University of Oxford Central University Research Ethics Committee (CUREC). The research is funded by and has been favourably reviewed by the Economic and Social Research Council (part of UK Research and Innovation) grant number: ES/T007214/1.

What will happen to the results of this study?

Discussions will be recorded; audio recordings will be transcribed, and transcripts analysed. The results will be presented at scientific meetings and published in scientific journals. Details of all

outputs and information relating to this research will be publicised on the project website: www.aideproject.web.ox.ac.uk

Will my taking part in the study be kept confidential?

Any information collected about you during this study will only be accessible to members of the research team and will not be shared with anyone else without your prior explicit written permission. This includes your name and contact information, which are used for purposes of study administration and will be kept separately from the survey data, interview audio recording and transcripts. No identifiable data will be shared with third parties. Responsible members of the University of Oxford [and the relevant NHS Trust(s)] may be given access to data for monitoring and/or audit of the study to ensure that the research is complying with applicable regulations.

If you agree to your details being held to be contacted regarding future research, we will retain a copy of your consent form until such time as your details are removed from our database but will keep the consent form and your details separate.

Identifiable data (including audio transcripts, but not consent forms) will be anonymised at the earliest reasonable point and will be deleted as soon as no longer required for the research. When processing the data, your name will be replaced by a code so that you as an individual cannot be identified and transcripts will be reviewed for removal of any potentially identifying information.

De-identified study materials, where any personal identifiable information has been removed, will be retained, and may be submitted for archiving to the UK Research Data Service, or a similar database/repository, through which access will be limited only to approved researchers, and the Oxford University Research Archive (ORA).

What will happen to my data?

Data protection regulation requires that we state the legal basis for processing information about you. In the case of research, this is 'a task in the public interest.' The University of Oxford is the sponsor for this study, based in the United Kingdom, is the data controller and is responsible for looking after your information and using it properly.

We will be using information from the background survey, the focus group or interview, and your contact information in order to undertake this study and will use the minimum personally identifiable information possible. The transcription of the focus groups will be conducted by an external transcriptionist approved for the study.

We will keep identifiable information about you for a minimum retention period of three years in accordance with university policies. Beyond this, all project data will be destroyed once it is no longer needed unless there is a compelling reason to keep it for longer (e.g. if a query about conduct arose). Paper documentation will be sent for shredding by a university approved service and all electronic files, including back-ups, will be deleted. This excludes any research documents with personal information, such as consent forms, which will be held securely at the University of Oxford for three years after the end of the study, unless you agree to be contacted for future research (see 'Participation in future research' below).

Data protection regulation provides you with control over your personal data and how it is used. When you agree to your information being used in research, however, some of those rights may be limited in order for the research to be reliable and accurate. Further information about your

rights with respect to your personal data is available at
https://compliance.web.ox.ac.uk/individual-rights

You can find out more about how we use your information by contacting Nisha Shah (nisha.shah@law.ox.ac.uk).

What if something goes wrong?

The University of Oxford, as Sponsor, has appropriate insurance in place in the unlikely event that you suffer any harm as a direct consequence of your participation in this study.

If you have a concern about any aspect of this project, please speak to the researcher Nisha Shah (details below) or the Chief Investigator Professor Jane Kaye (Email: jane.kaye@law.ox.ac.uk) and we will do our best to answer your query.

We will acknowledge your concern within 10 working days and give you an indication of how it will be dealt with. If you remain unhappy or wish to make a formal complaint, please contact the Chair of the Medical Sciences Interdivisional Research Ethics Committee at the University of Oxford, who will seek to resolve the issue as soon as possible:

Email: ethics@medsci.ox.ac.uk; Address: Research Services, University of Oxford, Boundary Brook House, Churchill Drive, Oxford, OX3 7GB.

Participation in future research

If you agree to us contacting you in relation to future research, your contact details would be held separately from this study in password protected files on a secure location at the University of Oxford, accessible only to the research group conducting this project. Your consent for would also be retained. All contact will come from the HeLEX research team in the first instance. Agreeing to be contacted does not oblige you to take part in future research, and you can withdraw from this register at any time they wish, upon which your personal data will be deleted.

What if I have further questions?

Please contact Nisha Shah on **01865 281266** or email Nisha.shah@law.ox.ac.uk who will happily answer any further questions you may have.

Thank you for reading this sheet and considering whether you would be willing to participate.