

Developing a software system to improve the management and outcome of knee replacement surgery by combining radiographic image information with clinical and patient data

Patient & Public Involvement & Engagement following Clinician Interviews on the current knee replacement pathway



Participant PPIE Workshop Information Sheet

Dates: October 22nd AM 2025

This document explains what would happen if you decide to take part in the Patient and Public Involvement and Engagement (PPIE) workshop. If you would prefer to talk about this with a member of our team, or have any questions, please email dominic.cullen@manchester.ac.uk.

What is our research study about?

In the United Kingdom, 1 in 5 knee replacements performed lead to chronic pain post-surgery. 1 in 23 patients require further surgery within 10 years, with over 6,500 revision (secondary) knee replacements performed every year. Previous studies have examined patient perspectives when navigating the knee replacement pathway (KRP). The research we are conducting plans to develop a computer tool to better understand why a knee replacement may lead to chronic pain after surgery or the need for more surgery.

Why are we conducting a PPIE Workshop?

As part of the overall project, a qualitative study was performed to look at the perspective of clinicians that work within the Knee Replacement Pathway. The study aimed to understand clinicians' opinions on the Knee Replacement Pathway and gain an understanding of the current practice workflows. We have conducted an analysis of the study and now we would like to know your thoughts and opinions on the findings.



What are the possible benefits of taking part?

We hope that the workshop will help us to understand the factors that are important to you, and what challenges patients face when dealing with a knee replacement.

You will be contributing to a large study that aims to develop technology to help clinicians and patients. Firstly, the study could potentially help doctors make more informed decisions on how to optimise treatments prior to a knee replacement. Secondly, it will help to identify patients at risk for complications. This could potentially provide a more efficient knee replacement pathway resulting in a more meaningful contact with patients to ensure better outcomes.

Who can take part in the PPIE workshop?

We want to work with a wide range of people who have either previously or are currently going through the knee replacement pathway.

What are the possible risks of taking part?

We do not anticipate there will be any risks in taking part in this study.

How is the workshop organised?

This is the second of a three-part PPIE workshop series. These workshops will take place over the duration of the project. If you agreed to take part in the first workshop, we have invited you to this current PPIE and will continue to invite you to the following ones. If this is your first PPIE workshop with our team, you will additionally be invited to the third workshop. However, if for whatever reason you feel you do not want to participate, you can drop out at any time. Each workshop will last around 2 hours. The workshop is virtual meaning it will be an online video focus group. The third workshop may take place face-to-face at The University of Manchester.

Will I be paid for taking part?

Yes, you will receive an honorary payment of £25 per hour per workshop.

Do I have to take part in the workshop?

No. This is up to you. Even if you agree to take part, you can drop out at any time and without giving a reason. If you change your mind about taking part, at any stage, you just need to let us know. If you decide to drop out, the researchers can remove your contact details from their database, but anonymised comments (comments with your name removed) you have made at the workshop(s) cannot be removed.

If I volunteer, will I be guaranteed to take part in the workshop?

No. We need to make sure that we select a diverse range of patients along the knee replacement pathway. To do this, we will also ask you for some information about yourself, such as age, ethnic group, gender and how long pre-/post-operative you are along the knee replacement pathway.



What will happen to my data?

Anything you say and all the information you give us is confidential. Any personal data will be “anonymised” so that the results cannot be linked back to you. All data will be kept on password-protected computers and only be accessed by authorised members of the research team. With your consent, we will keep your contact details on a secure database in order to contact you for the purposes of organising the workshops.

Who is conducting the research study and organising the workshop?

The study is being led by Senior Research Fellow Dr Claudia Lindner from the Division of Informatics, Imaging & Data Sciences at The University of Manchester

(www.research.manchester.ac.uk/portal/claudia.lindner.html). The researcher responsible for organising and running the PPIE workshop is Dominic Cullen (dominic.cullen@manchester.ac.uk).

