

# Public insight helping to shape the development of a new osteoarthritis drug

## Research theme



Sarcopenia and multimorbidity

## Aim

Inform translational pathway from target/drug to patient population (i.e. those with osteoarthritis joint pain). Understanding what the unmet need is, and the patients view on injectable drugs.

## Involvement included

Public contributors with lived experience of osteoarthritis joint pain completed a questionnaire survey. The survey asked questions about their daily living including sleep quality, ability to perform household chores and motivation to socialise, if they were taking pain relief medication, whether an injectable drug to treat joint pain would be considered, and how frequently they would tolerate having this.

**76** 

public contributors involved

## Best practice

- The use of an online survey allowed many public contributors to offer their views including those that have accessibility challenges.
- Showed how public involvement in discovery science can be impactful for forward translational plans.

## Impact of PPIE

- Public involvement provided a clearer line of sight from preclinical studies to patient target population. It confirmed that most patients were happy to consider an injectable drug, and most people were happy with a monthly dose. This supported the project's long-term goal of developing a new therapeutic drug for osteoarthritis via injection (deemed the most effective route).
- The public involvement also showed that joint pain was a driving factor for poor living experience, which helped researchers to focus their work on specific gene targets which are known to be associated with joint pain.

## Methods



Online survey