PREDICT

March 2025

Kick-off!

We're excited to announce that the PREDICT project has now officially started, and we're looking forward to some exciting work over the next 18 months.

Goals of PREDICT

PREDICT (Pragmatic Recalibration and Evaluation of Drift in Clinical Tools) aims to tackle the problem of "temporal drift" - the tendency for clinical prediction models to become more error-prone over time.

At the moment there are no guidelines or rules for how often we should test these models, and what to do if they go wrong. The project aims to:

1. Raise the profile of this important issue, which will become more important as AI tools are developed.
2. Test different strategies for dealing with this problem.
3. Open a dialogue with policymakers to discuss the options moving forward.

Patient and public involvement (PPI) and engagement is critical to all of these goals, so we look forward to engaging you throughout the project (see first PPI activity below).
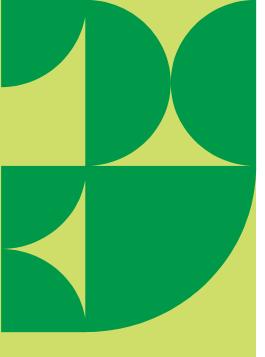
Progress so far

We've been up and running for 5 weeks but have already made some good progress:

- Hired Zoe Hancox to work on PREDICT for the next 17 months
- Begun setting up the project website (quite technical at the moment): https://sdrelton.github.io/PREDICT/
- Begun work on software to detect and fix temporal drift, available at https://github.com/sdrelton/PREDICT
- Had our first project meeting in-person

Cartoon explaining temporal drift (Zoe Hancox)

PPI Expression of Interest

We will shortly be planning our first PPI workshop, aiming to understand how prediction models and temporal drift impact the patient experience, and can leave people in a vulnerable position.

In order to help with planning, we are keen to understand how it feels to be told by a doctor *"you are at risk of developing a disease e.g. heart attack or falls"*, because the doctor or the computer has calculated your risk.

If you have recent experience of this happening to you, whether it went well or badly, we would be really keen to talk to you, please contact Sam, Oliver, or Zoe if you're interested (email addresses to the left).

PREDICT Team

Dr Samuel Relton (Principal Investigator)
s.d.relton@leeds.ac.uk

Dr Oliver Todd
(PPI Lead)
o.todd@leeds.ac.uk

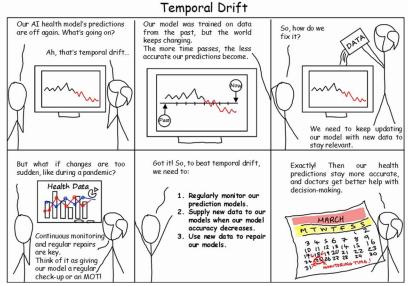Barbara Hartley
(PPI Co-Investigator)

Zoe Hancox
(Research Fellow)
z.l.hancox@leeds.ac.uk

Dr Kate Best -
(Implementation Lead)
k.e.best@leeds.ac.uk