Patients' Experiences of Using a Smartphone App for Remote Monitoring of Rheumatoid Arthritis, Integrated into the Electronic Medical Record, and its Impact on Consultations



Dr Lynn Austin, Research Fellow, University of Manchester ~ on behalf of the REMORA team ~

> Presenter disclosure information: This speaker has no conflicts of interest



National Institute for Health Research



REMORA: REmote MOnitoring in Rheumatoid Arthritis

"How have you been in the last six months?"

'Oh…alright, I suppose."



Treatment decisions are currently shaped by how a patient presents at the time of consultation

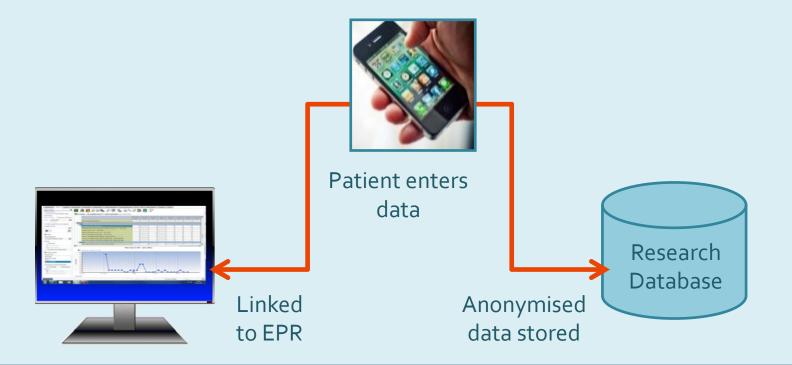
> Patients have limited access to data that can help them understand their disease and inform self-management

Data that provide a contemporaneous record of patient disease activity are not currently available for research

Aims of the study

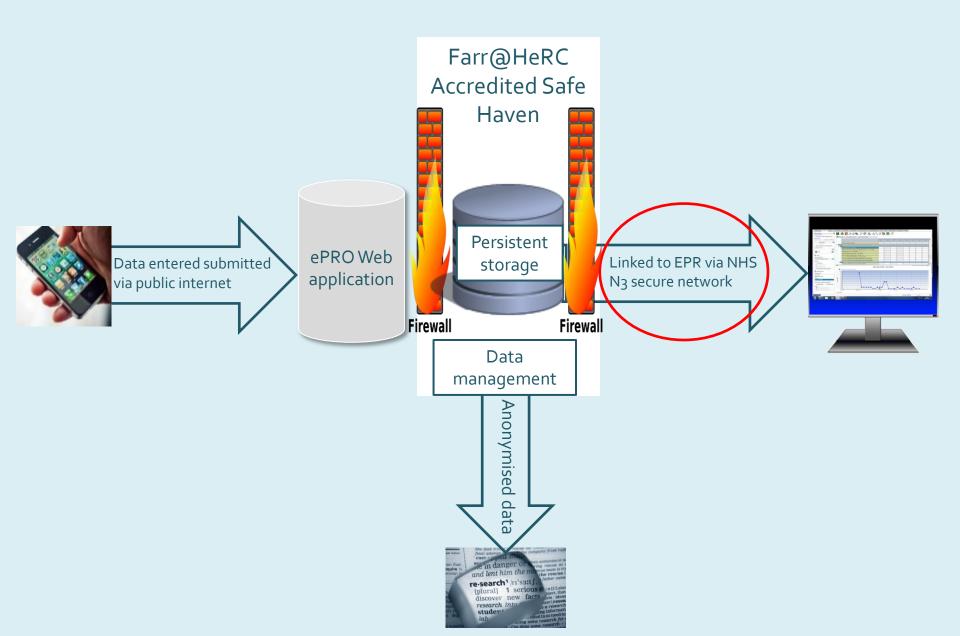


To develop and evaluate a smartphone app for people with rheumatoid arthritis to facilitate regular recording of their symptoms between clinic visits



Collect data once and use for multiple purposes

REMORA: 'end to end' processes



REMORA

Overview of the study



Stage 1 Stage 2 \odot Reaching agreement on the components of the app

 Developing the systems required to link the data entered to the Electronic Patient Record

• Testing the app for 1 month with 8 patients

Checking system for `end to end' processes

`Bug fixing' & refining the app in response to feedback



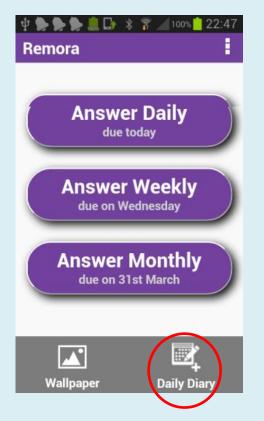
Evaluating the refined app for 3 months with 20 patients

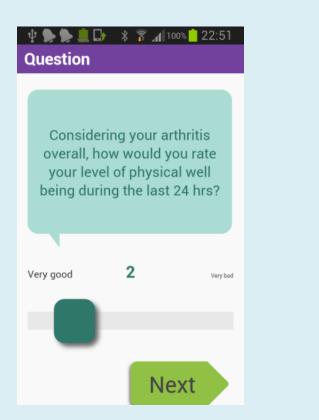
Summarising feedback from a range of stakeholders

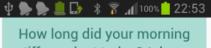
 Producing an implementation toolkit for the app developed

The REMORA app

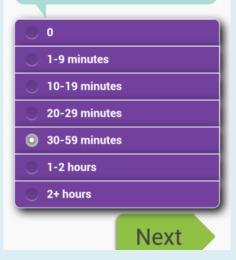






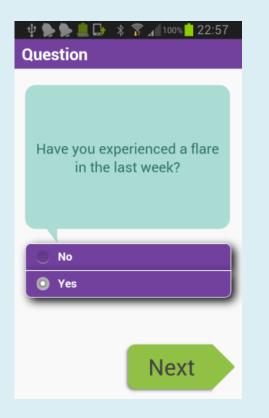


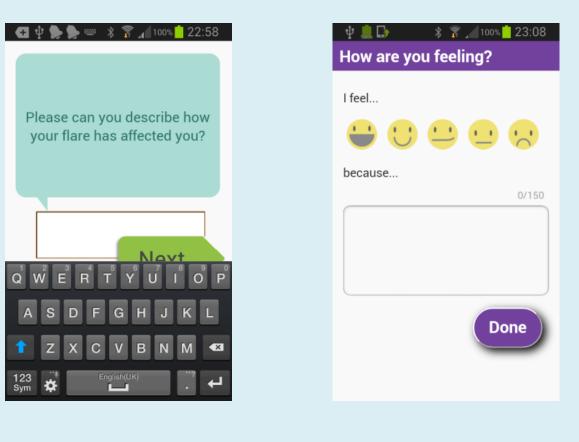
stiffness last today? (please select '0' if you did not experience any stiffness)



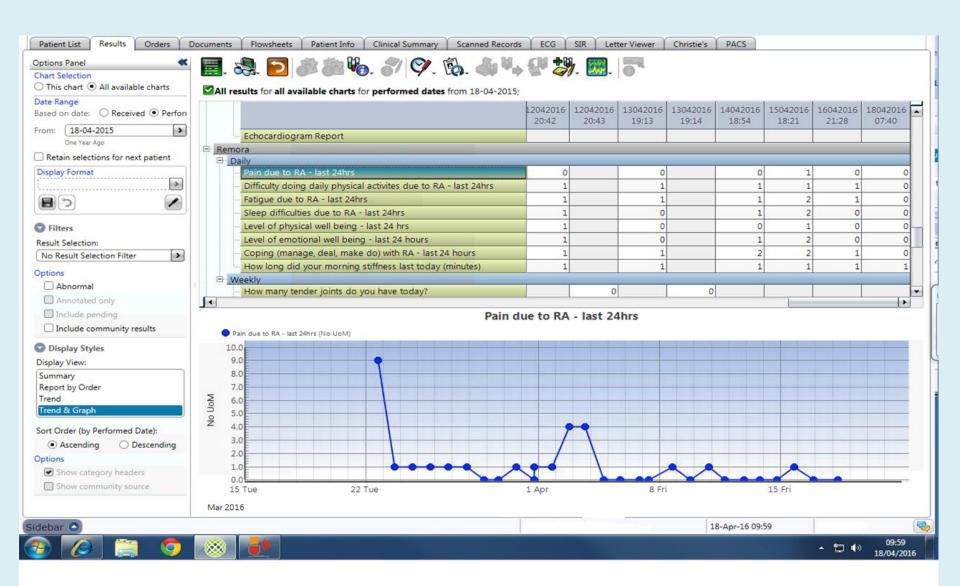
The REMORA app



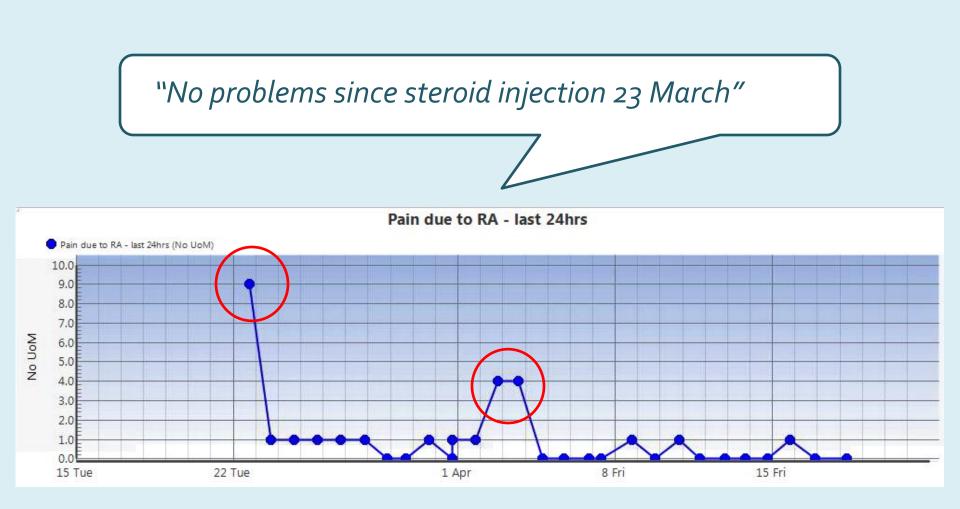












Post app use consultation

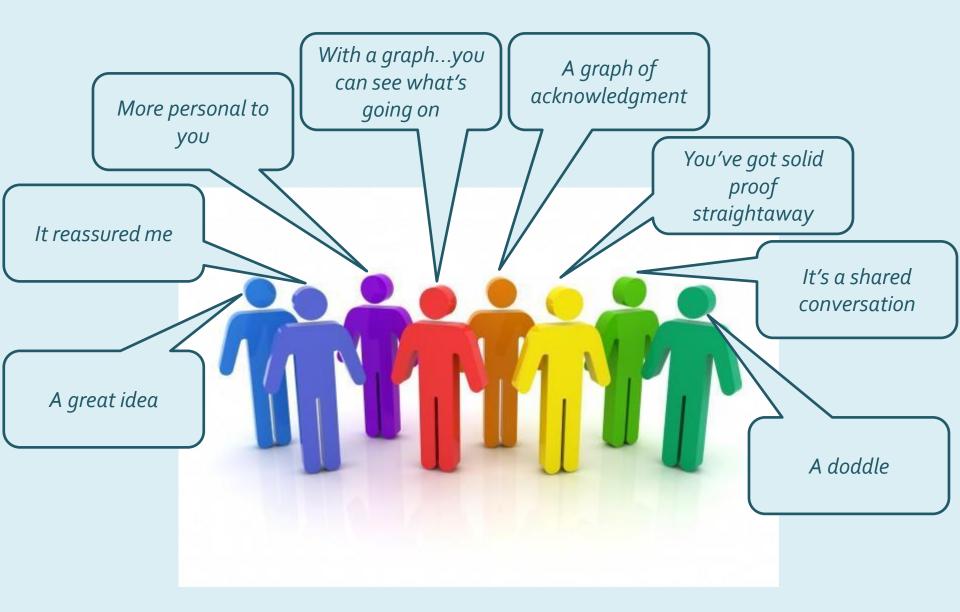


"No improvement in last month since restarting Tocilizumab"



Stage 2: Early feedback on using the app





Rheumatology clinic - the future







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The Remora app was developed in conjunction with the Health eResearch Centre (HeRC) at the University of Manchester

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