



UNIVERSITY OF LEEDS

This is a repository copy of *Developing mobile applications for and with young people with long-term conditions learning to share their healthcare with professionals: a young person and family-led approach*.

White Rose Research Online URL for this paper:

<https://eprints.whiterose.ac.uk/119461/>

Version: Published Version

Conference or Workshop Item:

Stones, SR orcid.org/0000-0002-5943-1310, Majeed-Ariss, R, Hall, A et al. (8 more authors) (2014) Developing mobile applications for and with young people with long-term conditions learning to share their healthcare with professionals: a young person and family-led approach. In: INVOLVE Conference, 26-27 Nov 2014, Birmingham, UK.

This is an author produced version of "Developing mobile applications for and with young people with long-term conditions" Presented at INVOLVE 2014.

Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



eprints@whiterose.ac.uk
<https://eprints.whiterose.ac.uk/>

Developing mobile applications for and with young people with long-term conditions

Simon R. Stones^{1, 10}; Rabiya Majeed-Aris^{2, 7}; Andrew Hall²; Wendy Thomson²; Helen Foster^{3, 8}; Eileen Baildam^{4, 9}; Janet McDonagh⁵; Sharon Douglas^{6, 10}; Debbie Fallon²; Alice Cheng⁷ and Veronica Swallow^{2, 7}

¹Faculty of Life Sciences, The University of Manchester, ²Faculty of Medical and Human Sciences, The University of Manchester, ³Musculoskeletal Research Group, Institute of Cellular Medicine, Newcastle University, ⁴Alder Hey Children's NHS Foundation Trust, ⁵School of Immunity and Infection, University of Birmingham, ⁶Scottish Network for Arthritis in Children, ⁷Central Manchester University Hospitals NHS Foundation Trust, ⁸Great North Children's Hospital, ⁹The University of Liverpool, ¹⁰NIHR CRN: Children/Arthritis Research UK Paediatric Rheumatology Clinical Studies Group

Introduction

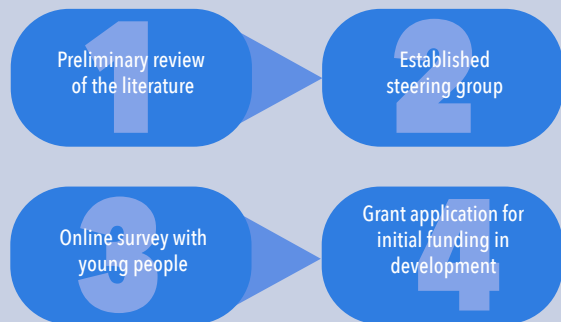
- The use of mobile devices is commonplace among young people.¹
- There is scope to develop this technology to support the needs of those with long-term health conditions.
- Young people need support to become independent and able to self-manage their condition. The mobile app would be a valuable tool in this process.
- However, there is little reliable research on the development or evaluation of this technology that actively involves young people as partners.

Aims

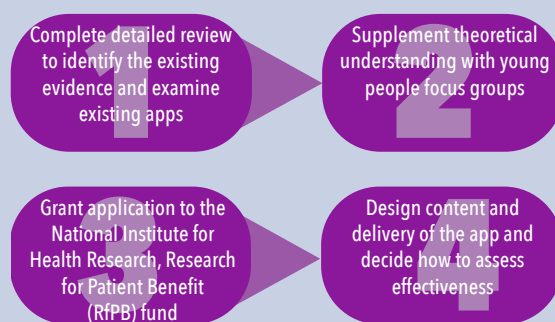
- To establish a Manchester-based research team.
- To include young people with long-term conditions, parents, researchers, technologists, and healthcare professionals as equal partners.
- To develop a plan of work that focuses on the use of mobile technologies for young people with long-term conditions.²
- To use the design and methods of our previous National Institute for Health Research, Research for Patient Benefit funded project as a platform to inform development of this work.³

Timeline

Where we have been:



Where we are going: (based on Medical Research Council framework)

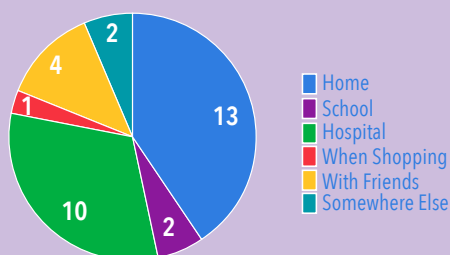


Online Survey Results

Is there a need to develop an app?

12 out of 14 young people living with juvenile idiopathic arthritis (JIA) felt there was a need for the mobile app, and 2 were unsure.

Where would young people use the app?



What do young people want from the app?



"The app needs to be password protected and secure for me to use it."

"The app would be good because I don't like asking people for advice, I like to look for it myself."

References

- 1 Ofcom. (2014). The communications market. Available from http://stakeholders.ofcom.gov.uk/binaries/research/cmr/cmr14/2014_UK_CM.pdf. [Accessed August 2014].
- 2 Dennison L, Morrison L, Conway G, Yardley L. (2013). Opportunities and Challenges for Smartphone Apps in Supporting Health Behaviour Change: Qualitative Study. J Med Internet Res. 15(4).
- 3 Swallow V, Carolan I, Hall A et al. (2014). A novel Interactive Health Communication Application (IHCA) for parents of children with long term conditions: Development, implementation, feasibility assessment. Informatics for Health & Social Care. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25119067>. [Accessed 19 October 2014].

