

Self-management supported by assistive, rehabilitation and telecare technologies

Submission date	Recruitment status	<input type="checkbox"/> Prospectively registered
18/06/2010	No longer recruiting	<input type="checkbox"/> Protocol
Registration date	Overall study status	<input type="checkbox"/> Statistical analysis plan
18/06/2010	Completed	<input type="checkbox"/> Results
Last Edited	Condition category	<input type="checkbox"/> Individual participant data
11/05/2017	Other	<input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Additional identifiers

Protocol serial number

4912

Study information

Scientific Title

Multicentre non-randomised interventional process of care trial of self-management of chronic conditions supported by assistive, rehabilitation and telecare technology

Acronym

SMART 2

Study objectives

The overall aim of this project is to deepen understanding of the potential for technology support of self management. The use of technology for this purpose is now attracting attention, but there are some fundamental issues that need to be researched. These include how information on changes in chronic conditions can be collated and fed back to users in a meaningful and usable way to help them to understand their condition; how such information, remote from a clinician, can be presented to promote behaviour change and how this information can allow people to adjust life goals to accommodate and aid acceptance of their condition.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Leeds East REC, 03/06/2008, ref: 08/H1306/46

Study design

Multicentre non-randomised interventional process of care trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Topic: Generic Health Relevance and Cross Cutting Themes, Primary Care Research Network for England; Subtopic: Not Assigned, Generic Health Relevance (all Subtopics); Disease: All Diseases, Other

Interventions

A series of focus groups will be carried out during the first 3 - 6 months of the study. Home visits with up to five volunteer participants will take place after these focus groups (months 4 - 7). In year 2 and 3 we will undertake evaluation sessions at approximately 6-monthly intervals when elements of the PSMS will be delivered to the clinical research teams by technologists working at the University of Ulster. A series of focus groups exclusively for clinicians specialising in treatment and rehabilitation of each of the three conditions will be conducted from month 6 onwards.

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

To investigate how technology can be used to construct tailored plans of interventions to be undertaken

Key secondary outcome(s)

1. To examine the extent to which behaviour change is promoted through personalised feedback
2. To identify how information on signs, symptoms and lifestyle consequences can be fed back to users in a usable way
3. To identify how relevant signs, symptoms and lifestyle consequences of long-term conditions can be effectively monitored and modelled

Completion date

31/12/2011

Eligibility

Key inclusion criteria

User participants with one of the following conditions:

1. Stroke, congestive heart failure (CHF) and chronic pain
2. People with stroke - up to 2 years post stroke
3. People diagnosed with chronic heart failure (CHF) (New York Heart Association [NYHA]) 2, 3 or 4
4. Living in the community
5. Access to a telephone line
6. Sufficient English language skills in order to understand and express themselves verbally

Carer participants:

7. Co-resident with patient participant or in very frequent contact with them

Clinician participants:

8. Currently involved in delivery of services to people with one of the three conditions

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Other

Sex

All

Key exclusion criteria

User participants:

1. Co-morbid cognitive or physical impairment to the extent that it will hinder participants from giving informed consent and/or talking in a group setting
2. In-patient in a hospital or other residential setting

Carer participants:

3. Not having a large amount of contact with a patient who has agreed to participate in the study

Date of first enrolment

01/01/2008

Date of final enrolment

31/12/2011

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

Health Services Research

Sheffield

United Kingdom

S1 4DA

Sponsor information

Organisation

University of Sheffield (UK)

ROR

<https://ror.org/05krs5044>

Funder(s)

Funder type

Research council

Funder Name

Engineering and Physical Sciences Research Council (EPSRC) (UK)

Alternative Name(s)

EPSRC Engineering & Physical Sciences Research Council, UKRI Engineering and Physical Sciences Research Council, Engineering and Physical Sciences Research Council - UKRI, Engineering & Physical Sciences Research Council, The Engineering and Physical Sciences Research Council (EPSRC), EPSRC

Funding Body Type

Government organisation

Funding Body Subtype

National government

Location

United Kingdom

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes