

# Self-management supported by assistive, rehabilitation and telecare technologies

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

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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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?
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes