

Self-management training: a controlled investigation of its effectiveness in improving coping skills, mood and quality of life with patients with acquired physical disability

Submission date 10/02/2015	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
Registration date 19/02/2015	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 20/02/2015	Condition category Mental and Behavioural Disorders	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Background and study aims

People with acquired physical impairments, such as limb amputation and spinal cord injury, commonly experience additional problems including pain, anxiety and depression. These problems can prevent them from participating fully in society and can diminish their quality of life (QoL). Traditionally, attempts to improve well-being for people with physical impairments have focused on treatment of these problems after they have become established.

Opportunities for early intervention to manage pain and other problems before they become chronic are typically missed.

Self-management (SM) interventions have been developed in the context of patient-centred care, where patients are empowered to take a central role their health and well-being. SM interventions aim to provide patients with the necessary skills and confidence to deal with health-related problems and to manage negative emotions. SM has been used widely in chronic illnesses in which pain and disability are common. However, SM has not been used as a preventive intervention during the early rehabilitation phase following physical impairment. The aim of our research is to investigate how well an SM programme works for the prevention of disabling secondary conditions and improvement of QoL following the onset of significant physical impairment. The key objective is to improve health and wellbeing. As the impact of acquired physical impairment extends beyond the individual patient to families and friends, improving health and quality of life for the patient will have positive spill over effects for families, friends and wider communities.

Who can participate?

Adults with limb amputation or spinal cord injury.

What does the study involve?

Participants are randomly allocated to one of two groups: receiving usual care plus the "Next Steps UK and Ireland self-management programme" or receiving usual care only.

What are the possible benefits and risks of participating?

Not provided at time of registration

Where is the study run from?

National Rehabilitation Hospital, Ireland

When is the study starting and how long is it expected to run for?

From February 2011 to July 2014.

Who is funding the study?

National Health Research Board (Ireland)

Who is the main contact?

Dr Deirdre Desmond

deirdre.desmond@nuim.ie

Contact information

Type(s)

Scientific

Contact name

Dr Deirdre Desmond

Contact details

Department of Psychology

Maynooth University

Maynooth

Co. Kildare

Ireland

Maynooth

Ireland

Maynooth

+353 017086479

Deirdre.Desmond@nuim.ie

Additional identifiers

Protocol serial number

HRB_HSR/2010/12

Study information

Scientific Title

Promoting quality of life and preventing secondary disability following acquired physical impairment: a controlled trial of a self-management intervention

Study objectives

1. Compared to standard treatment alone, individuals who receive the self-management intervention plus standard care will have lower levels of depressive and anxiety symptoms, and

improved positive affect and positive mindset.

2. Compared to standard treatment alone, individuals who receive the self-management intervention will have higher levels of participation and health related quality of life.

3. Changes in both primary and secondary outcomes will correlate strongly with the intermediate outcome of self-efficacy.

Ethics approval required

Old ethics approval format

Ethics approval(s)

National Rehabilitation Hospital Ethics Committee, Maynooth University Ethics Committee

Study design

Single-centre controlled clinical trial (two group block randomized design)

Primary study design

Interventional

Study type(s)

Prevention

Health condition(s) or problem(s) studied

Patients with acquired physical impairment (spinal cord injury and limb amputation)

Interventions

Participants were allocated to control or intervention groups according to timing of admission. Control group participants received usual care. Participants in the intervention group received usual care plus the 'Next Steps UK & Ireland self-management programme'.

Intervention Type

Behavioural

Primary outcome(s)

1. Pain: Brief pain Inventory

2. Depressive Symptoms: Hospital Anxiety and Depression Scale

3. Positive Affect: Positive and Negative Affect Schedule Positive States of Mind scale

Data collected on admission to rehabilitation, 7 weeks later and at 6 months post-programme.

Key secondary outcome(s)

1. Restrictions in Activities and Participation: WHODAS-II and the Community Participation Indicators

2. Self-management knowledge, skills, confidence: Patient Activation Measure (SF)

3. Quality of Life: WHOQoL

Data collected on admission to rehabilitation, 7 weeks later and at 6 months post-programme.

Completion date

01/12/2015

Eligibility

Key inclusion criteria

Inclusion criteria consist of (1) being aged 18 years or older; (2) having limb amputation or spinal cord injury; (3) English speaking; (4) no more than 3 weeks previous inpatient rehabilitation for the current condition; onset of index injury/condition within 1 year.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 years

Sex

All

Key exclusion criteria

Exclusion criteria: unable to provide informed consent; severe cognitive impairment; presence of any other serious health condition that attending physician believes limits their ability to participate in the study.

Date of first enrolment

01/08/2011

Date of final enrolment

31/07/2014

Locations**Countries of recruitment**

Ireland

Study participating centre

National Rehabilitation Hospital

Ireland

Sponsor information**Organisation**

Maynooth University

ROR
https://ror.org/048nfjm95

Funder(s)

Funder type
Government

Funder Name
Health Research Board (Ireland)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not expected to be made available

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