## **Conference poster digest**

#### Introduction

We are pleased to present summaries of poster presentations made at the 2015 Annual Conference. These are accompanied by thumbnail images of the actual posters. The full-size versions can be viewed on the POGP microsite (http://pogp. csp.org.uk/).

> Andrew J. Wilson Managing Editor

### Limited effects from limited adherence: using behavioural theory to underpin pelvic floor muscle training programmes and outcomes

Pelvic floor muscle training (PFMT) is widely advocated for women with urinary incontinence, but both short- and long-term adherence are essential to its effectiveness (Fig. 1). Adherence is defined as the extent to which a patient's behaviour matches agreed recommendations/instructions from the prescriber: "The term, adherence, is intended to be non-judgmental, a statement of fact, rather than of blame of the patient, prescriber, or treatment" (Haynes *et al.* 2008, p. 2). Health professionals need to understand the behavioural change required to promote adherence, and interventions to promote it should be based on theoretical models that provide an explanation of that behaviour.

The aim of this study was to identify theoretical models used in PFMT research in order to better understand how these are used, and provide clinicians with a theory-driven model to promote adherence.

An electronic literature search of the MEDLINE, CINAHL and Embase databases for

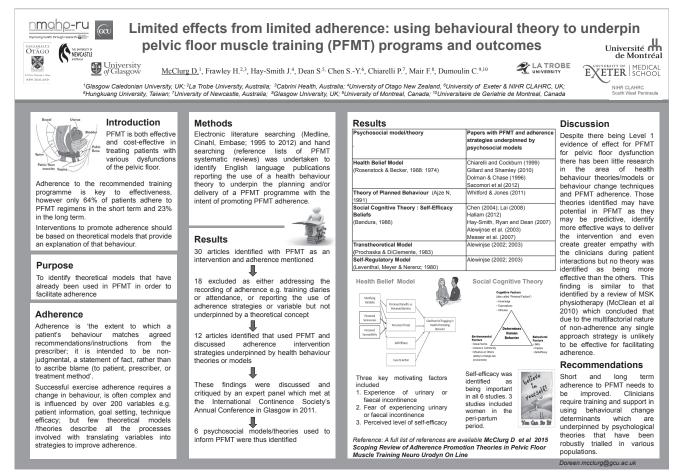


Figure 1. "Limited effects from limited adherence: using behavioural theory to underpin pelvic floor muscle training programmes and outcomes" poster.

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material published between 1995 and 2012, and a hand search of the reference lists of systematic reviews of PFMT were undertaken in order to identify English-language publications reporting the use of a health behaviour theory to underpin the planning and/or delivery of a programme with the intent of promoting adherence to PFMT.

Fourteen studies reported the use of health behaviour theory to promote or understand PFMT adherence. Six models were identified: the Health Belief Model (Rosenstock *et al.* 1988; four studies); the Theory of Planned Behaviour (Ajzen 2011; one study); social cognitive theory (Bandura 1986; six studies); the Transtheoretical Model (Prochaska & DiClemente 1984) and the Self-Regulatory Model (Leventhal *et al.* 1980), which were used conjointly in two studies by the same author; and the Health Action Process Approach (Schwarzer 1992; one study).

Self-efficacy, which is a major component of social cognitive theory, was the most-studied determinant of adherence. This was found to be important in the prediction of adherence, and in the short- and long-term behavioural changes that are required to undertake PFMT. The Health Belief Model primarily focused on the person's ability to assess the benefits and disadvantages of undertaking the exercises. The Theory of Planned Behaviour described an intention to behave in a certain way in order to overcome a perceived threat; for example, a resolve to undertake PFMT before and after delivery in order to prevent urinary incontinence. One author used the Transtheoretical Model (Prochaska & DiClemente 1984) and the Self-Regulatory Model (Leventhal et al. 1980) to assess and develop a health education programme and protocol checklist for undertaking PFMT. The Health Action Process Approach (Schwarzer 1992) was used in a small study in which family support was shown to influence intention to exercise.

This is the first review of the use of behavioural theories to support interventions to improve adherence to PFMT. The work on self-efficacy has led to the development of two PFMT-specific self-efficacy scales that may have the potential to be used by clinicians as well as in PFMT research. Secondary analysis to establish the association of self-efficacy with short- and long-term PFMT outcome is also required.

Existing health behaviour theories show some promise in planning the content and delivery of PFMT programmes. Clinicians should be encouraged to use their skills to enhance self-efficacy for PFMT. Researchers need to pay more attention to reporting the theoretical underpinning of interventions that are intended to promote adherence. **D. McClurg** 

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#### References

- Ajzen I. (2011) The theory of planned behaviour: reactions and reflections. *Psychology and Health* **26** (9), 1113–1127.
- Bandura A. (1986) Social Foundations of Thought and Action: A Social Cognitive Theory. Prentice-Hall, Englewood Cliffs, NJ.
- Haynes R. B., Ackloo E., Sahota N., McDonald H. P. & Yao X. (2008) Interventions for enhancing medication

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adherence. *Cochrane Database of Systematic Reviews*, Issue 2. Art. No.: CD000011. DOI: 10.1002/14651858. CD000011.pub3.

- Leventhal H., Meyer D. & Nerenz D. (1980) The commonsense representation of illness danger. In: *Contributions* to *Medical Psychology*, Vol. 2 (ed. S. Rachman), pp. 7–30. Pergamon Press, Oxford.
- Prochaska J. O. & DiClemente C. C. (1984) The Transtheoretical Approach: Crossing Traditional Foundations of Change. Dow Jones Irwin, Homewood, IL.
- Rosenstock I. M., Strecher V. J. & Becker M. H. (1988) Social learning theory and the Health Belief Model. *Health Education Quarterly* **15** (2), 175–183.
- Schwarzer R. (1992) Self-efficacy in the adoption and maintenance of health behaviours: theoretical approaches and new model. In: *Self-efficacy: Thought Control of Action* (ed. R. Schwarzer), pp. 217–243. Hemisphere Publishing, Washington, DC.

# Promoting and developing a physiotherapy-led continence service in NHS Highland

The aim of this study was to deliver a quality service to women with incontinence and pelvic organ prolapse (POP) that was within easy travelling distance of their homes, and without significant cost to National Health Service (NHS) Highland (Fig. 2).

Historically, physiotherapy continence services in NHS Highland depended on practitioner interest rather than service planning. This led to an extremely patchy service, and many women had to travel long distances (involving up to 3–4 h travel in some cases) to access continence physiotherapy.

A service redesign that was undertaken in 2009 identified a need for appropriately educated generalist staff and physiotherapists with a special interest (PWSI) with in-depth knowledge of female urinary incontinence and pelvic organ prolapse (POP). Existing clinical specialists would: act as a resource; provide support for generalists and PWSIs; and continue to assess and treat complex cases, bowel problems, men, children, neurological problems, pelvic pain, and sexual and psychosexual dysfunctions. Several obstacles and difficulties were identified. An education and training programme was developed by the specialists for all musculoskeletal, generalist and community staff. From this, 12 geographically appropriate staff with an interest were encouraged to take on a PWSI role. A 2-day training



**Figure 2.** "Promoting and developing a physiotherapyled continence service in NHS Highland" poster.

course run by an external tutor, and funded by Astellas Pharma UK Ltd, Staines-upon-Thames, Surrey, UK, was provided for them in 2014.

A quality service, within easy travelling distance, is now being delivered to women with urinary incontinence and POP across NHS Highland. Waiting times for accessing the service have reduced in some areas. Surgical interventions have also reduced. Staff who have taken on the PWSI role feel supported in the position. This model has proved successful in generating interest in a subject that most NHS Highland staff had not had been trained in as undergraduates, and it could be adopted in other areas.

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