

Guideline Development – Integrating the best Research Evidence with Clinical Expertise and Patient Values

Dr. Eve O'Toole and Ms Niamh O'Rourke
National Cancer Control Programme
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Guideline Development

- Agreed Terms of Reference
- Clinical Governance
- Conflict of interest must be declared by all members

Agree terms of reference

Membership of Guideline Development Groups

- Representatives from all relevant clinical disciplines
- Project Manager
- Methodologist
- Librarian

A project manager, a methodologist and a librarian are essential.

Further research staff are invaluable.

Resource Implications

- Methodologist
- Librarian
- Researcher
- Project Manager
- Clinician's time
- Two year time period to develop a guideline

Guideline Development is labour intensive and requires a substantial commitment from all involved

NCCP Methodology for Developing Evidence-Based Guidelines

- **Step 1** **Develop Clinical Questions**
 - » Defines the scope of the Guideline
- **Step 2** **Search for and find the evidence**
 - » International Guidelines
 - » Primary Literature
- **Step 3** **Appraise the literature**
 - » For validity and applicability
- **Step 4** **Make recommendations**
 - » Applying the evidence in conjunction with clinical expertise and population values
- **Step 5** **Draft Guideline**
 - » Internal peer review – NCCP website for six weeks
 - » External peer review – International Guideline development Group

Guideline Implementation

RESEARCH ARTICLE

Open Access

A systematic review of the use of theory in the design of guideline dissemination and implementation strategies and interpretation of the results of rigorous evaluations

Philippa Davies^{1†}, Anne E Walker^{1†}, Jeremy M Grimshaw^{2*†}

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Changing Provider Behavior An Overview of Systematic Reviews of Interventions

JEREMY M. GRIMSHAW, MBChB, PhD,* LIZ SHIRAN, MA (HONS), MSc,*
RUTH THOMAS, BSc (HONS),* GRAHAM MOWATT, MA (HONS), MBA,* CYNTHIA FRASER, MA (HONS),*
LISA BERO, PhD,† ROBERTO GRILLI, MD,‡ EMMA HARVEY, BSc (HONS),§ ANDY OXMAN, MD,¶ AND
MARY ANN O'BRIEN, MSc||

The behaviour change wheel: A new method for characterising and designing behaviour change interventions

Michie *et al.*



Michie *et al.* *Implementation Science* 2011, **6**:42
<http://www.implementationscience.com/content/6/1/42> (23 April 2011)

Cane *et al.* *Implementation Science* 2012, **7**:37
<http://www.implementationscience.com/content/7/1/37>



IMPLEMENTATION SCIENCE

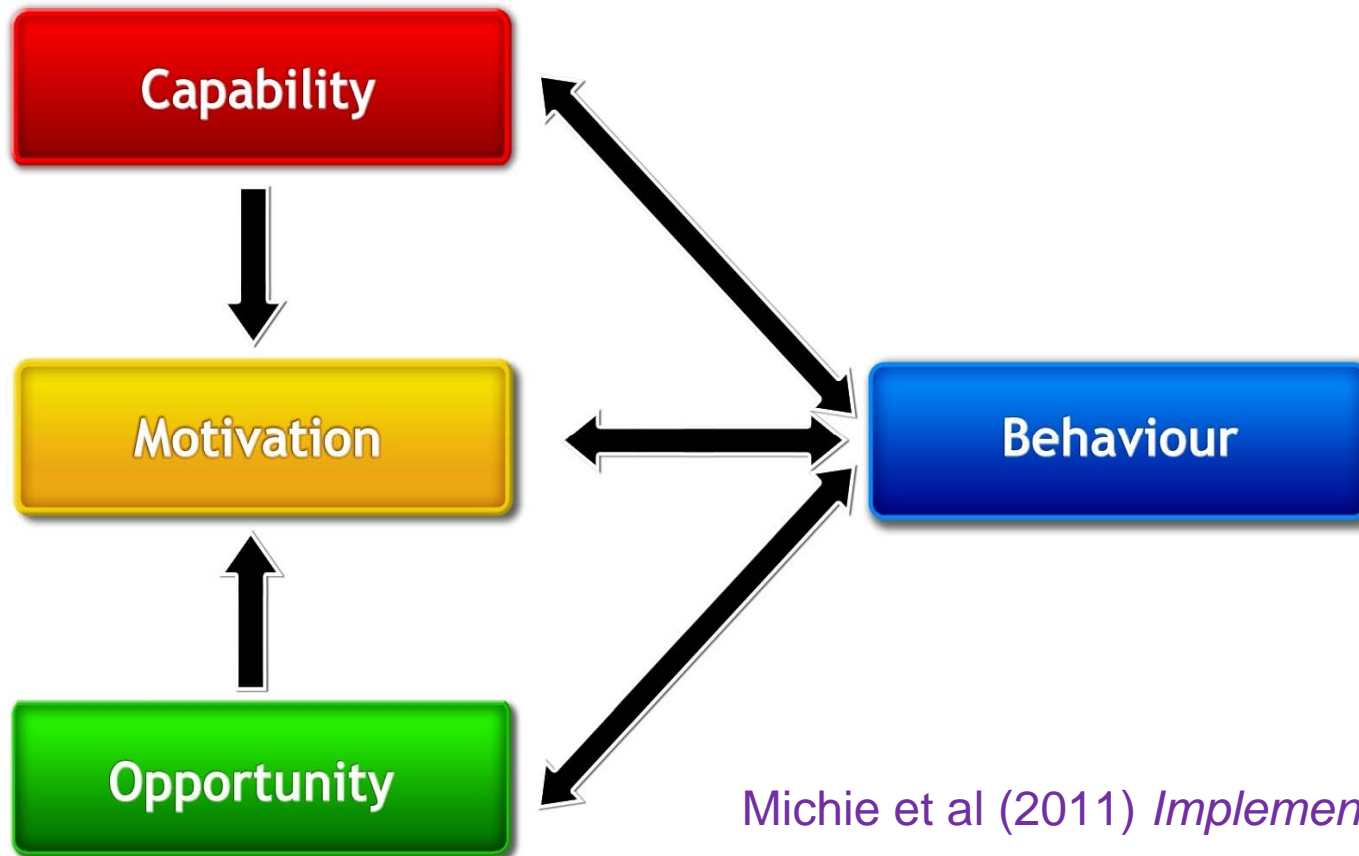
RESEARCH

Open Access

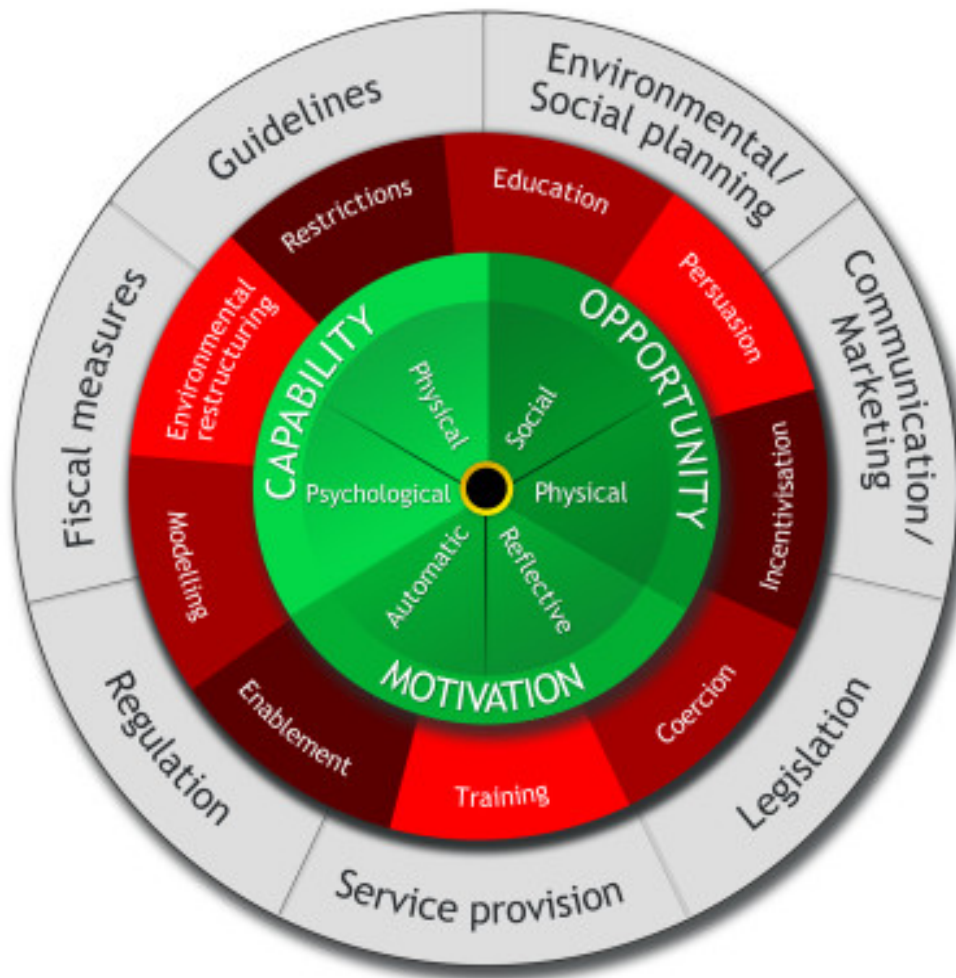
Validation of the theoretical domains framework for use in behaviour change and implementation research

James Cane¹, Denise O'Connor² and Susan Michie^{3*}

The COM-B system: Behaviour occurs as an interaction between three necessary conditions



Michie et al (2011) *Implementation Science*



Michie et al (2011) *Implementation Science*



Alliance for
Health Policy and
Systems Research



World Health
Organization

2013

IMPLEMENTATION RESEARCH IN HEALTH

A PRACTICAL GUIDE

David H. Peters, Nhan T. Tran, Taghreed Adam



BMJ



BMJ 2013;347:f6753 doi: 10.1136/bmj.f6753 (Published 20 November 2013)

Page 1 of 7

RESEARCH METHODS & REPORTING

Implementation research: what it is and how to do it

Implementation research is a growing but not well understood field of health research that can contribute to more effective public health and clinical policies and programmes. This article provides a broad definition of implementation research and outlines key principles for how to do it

David H Peters *professor*¹, Taghreed Adam *scientist*², Olakunle Alonge *assistant scientist*¹, Irene Akua Agyepong *specialist public health*³, Nhan Tran *manager*⁴

Implementation outcome variables

- Acceptability
- Adoption
- Appropriateness
- Feasibility
- Fidelity
- Implementation cost
- Coverage
- Sustainability

Guideline Review and Implementation

- Internal review
 - NCCP Website & stakeholder review
- External Review
 - International Guideline Development Group

National Stakeholder involvement will be critical for Guideline Implementation

Dr Eve O'Toole, Tumour Group Methodologist
Eve.otoole@cancercontrol.ie

Niamh O'Rourke, Project Manager,
Breast Cancer Tumour Group
Niamh.orourke@cancercontrol.ie

National Cancer Control Programme
King's Inns House, 200 Parnell Street , Dublin 1.
Web: www.cancercontrol.hse.ie