

Supplementary Material 3: Descriptions of the intervention development frameworks included in the review.

Name of framework	Description	Key reference(s) or website
Medical Research Council Guidance	The Medical Research Council guidance is a published framework for evaluating complex interventions. Its original 2000 guidance was updated in 2008 and suggests a non-linear phased sequence.	Craig P, Dieppe P, Macintyre S, Michie S, Nazareth I, Petticrew M. Developing and evaluating complex interventions: the new Medical Research Council guidance. <i>BMJ</i> 2008, 337:a1655.
Intervention Mapping	Intervention Mapping is a six-stepped method going from identifying the problem through to solving the problem and is focused on behaviour change interventions. It is a self-described protocol which can aid the development of these types of interventions.	Bartholomew LK, Parcel GS, Kok G, Gottlieb NH, Fernández ME. Planning Health Promotion Programs - An Intervention Mapping Approach. 3rd ed. San Francisco: CA: Jossey-Bass; 2011. https://interventionmapping.com/
Conceptual Modelling	Conceptual modelling is a term used in multiple fields (e.g., business, computing, social sciences and health research). A conceptual model is a model or diagrammatic representation of the rationale, process and/or outcomes. It has been used in health research previously and examples are given.	E.g., Wagner E, Austin B, Von Korff M: Organizing care for patients with chronic illness. <i>Milbank Q</i> 1996, 74:511–543. Gask et al., Improving access to psychosocial interventions for common mental health problems in the United Kingdom: narrative review and development of a conceptual model for complex interventions. <i>BMC Health Serv Res.</i> 2012;12(1):249.
Programme Theory	Programme theory is a term that has been used by evaluators to describe the theory underpinning a programme, such as a social or health intervention. Programme theory also refers to a specific concept used within realistic evaluation.	Weiss CH (1998) Evaluation: Methods for Studying Programs and Policies. Upper Saddle River, NJ: Prentice Hall. Pawson R and Tilley N (1997) Realistic Evaluation. London: SAGE.
Van Meijel Model	The Van Meijel model was first reported in 2004 and was established in response to the development of a nursing-based intervention. The model uses four stages from defining the problem through to validating the intervention.	Van Meijel B., Gamel C., van Swieten-Duijfjes B. & Grypdonck M.H. (2004) The development of evidence-based nursing interventions: methodological considerations. <i>Journal of Advanced Nursing</i> 48, 84–92.