

What Works in Community-Based Interventions Promoting Physical Activity and Healthy Eating? A Review of Reviews

Search Protocol

Update: 14 April 2014

Limits: publication date 2007–present, publication type “review”, publication language “English”.

1. (((((((systematic review or meta analysis[Publication Type])) AND (“2007”[Date-Publication]: “3000”[Date-Publication])) AND (prevention or intervention or promot* [Title/Abstract])) AND (community or neighborhood or quarter or population-based- or multi level or multi-component or environmental intervention or social environment or built environment)) AND (dietary or weight or nutrition or healthy eating or body mass index or obese or obesity or vegetable or fruit or overweight)))
2. (((((((systematic review or meta analysis[Publication Type])) AND (“2007”[Date-Publication]: “3000”[Date-Publication])) AND (prevention or intervention or promot* [Title/Abstract])) AND (community or neighborhood or quarter or population-based- or multi level or multi-component or environmental intervention or social environment or built environment)) AND (physical activity or physical inactivity or motor activity or exercise or ergonomic or musculoskeletal disorder or fitness or sedentary behav*))
3. (1 or 2)

Hits: 2,091 → filters activated: 1,819

NICE:

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Limits: areas of interest “Public Health”, types of information “systematic review”, date “2007–present”, Sources “DARE”, “NICE”, “NIHR Journals Library”

((prevention or intervention or promot*) and (community or neighborhood or quarter or population-based- or multi level or multi-component or environmental intervention or social environment or built environment) and (dietary or weight or nutrition or healthy eating or body mass index or obese or obesity or vegetable or fruit or overweight)) or ((prevention or intervention or promot*) and (community or neighborhood or quarter or population-based- or multi level or multi-component or environmental intervention or social environment or built environment) and (physical activity or physical inactivity or motor activity or exercise or ergonomic or musculoskeletal disorder or fitness or sedentary behave*))

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Cochrane:

Searched: 14th April 2014

Limits: publication date: 2007–present, Database “Cochrane Reviews (Reviews only) and Other Reviews”.

1. prevention or intervention or promot*: ti,ab,kw and community or neighborhood or quarter or population-based- or multi level or multi-component or environmental intervention or social environment or built environment:ti,ab,kw and dietary or weight or nutrition or healthy eating or body mass index or obese or obesity or vegetable or fruit or overweight: ti,ab,kw Publication Date from 2007, in Other Reviews (Word variations have been searched)
2. prevention or intervention or promot*: ti,ab,kw and community or neighborhood or quarter or population-based- or multi level or multi-component or environmental intervention or social environment or built environment:ti,ab,kw and physical activity or physical inactivity or motor activity or exercise or ergonomic or musculoskeletal disorder or fitness or sedentary behave *: ti,ab,kw Publication Date from 2007, in Other Reviews (Word variations have been searched)
3. (1 or 2)

Hits: 113

Campbell:

Searched: 14 April 2014

Limits: publication date 2007–present, document type “review”

1. prevention OR intervention OR promot* in all text and community OR neighborhood OR quarter OR population-based- OR multi level OR multi-component OR environmental intervention OR social environment OR built environment in all text and dietary OR weight OR nutrition OR healthy eating OR body mass index OR obese OR obesity OR vegetable OR fruit OR overweight in all text and published from 2007 and document type is review
2. prevention OR intervention OR promot* in all text and community OR neighborhood OR quarter OR population-based- OR multi level OR multi-component OR environmental intervention OR social environment OR built environment in all text and physical activity OR physical inactivity OR motor activity OR exercise OR ergonomic OR musculoskeletal disorder OR fitness OR sedentary behav* in all text and published from 2007 and document type is review
3. (1 or 2)

Hits: 73

Two authors independently assessed the quality of all selected reviews according to the AMSTAR criteria, an 11-item questionnaire developed to assess the methodological quality of systematic reviews. Table S1 shows the results of the quality rating. In the last column, number of positive rating (“Yes”) was summed up for an overall quality score of the reviews.

Table S1. Quality assessment of the included reviews.

Author	Review Type	#1 a Priori Design?	#2 Duplicate Selection?	#3 Comprehensive Search?	#4 Grey Literature?	#5 List of Studies Provided?	#6 Study Characteristics Provided?	#7 Quality Critically Assessed?	#8 Enough Quality for Conclusion?	#9 Results Appropriately Combined?	#10 Publication Bias Assessed ?	#11 Conflict of Interests Assessed?	Score
Bleich <i>et al.</i> , 2013 [1] *	Narrative	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Not applicable	No	No	8
Hendrie <i>et al.</i> , 2011 [2]	Narrative	Yes	Can't answer	yes	No	Yes	Yes	Yes	Yes	Not applicable	No	No	6
Kellou <i>et al.</i> , 2014 [3]	Narrative	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Not applicable	No	No	7
van Sluijs <i>et al.</i> , 2007 [4]	Narrative	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Not applicable	no	No	7
Van Sluijs <i>et al.</i> , 2011 [5]	Narrative	Yes	No	No	No	Yes	Yes	Yes	Yes	Not applicable	No	No	5
Waters <i>et al.</i> , 2011 [6]	Meta- analysis	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Not applicable	Yes	No	9
Wolfenden <i>et al.</i> , 2014 [7]	Meta- analysis	Yes	Yes	Yes	Yes	Yes	Can't answer	Yes	Yes	Yes	No	No	9
Michie <i>et al.</i> , 2009 [8]	Meta- analysis	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Yes	No	6

Table S1. Cont.

Author	Review Type	#1 a Priori Design?	#2 Duplicate Selection?	#3 Comprehensive Search?	#4 Grey Literature?	#5 List of Studies Provided?	#6 Study Characteristics Provided?	#7 Quality Critically Assessed?	#8 Enough Quality for Conclusion?	#9 Results Appropriately Combined?	#10 Publication Bias Assessed ?	#11 Conflict of Interests Assessed?	Score
Kassavou <i>et al.</i> , 2013 [9]	Meta-analysis	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	8
Bock <i>et al.</i> , 2014 [10]	Meta-analysis	Yes	Can't answer	Yes	No	Yes	No	Yes	Yes	Yes	No	No	6
Webel <i>et al.</i> , 2010 [11]	Meta-analysis	Yes	No	Can't answer	No	Yes	No	Yes	Yes	Yes	Yes	No	6
Soler <i>et al.</i> , 2010 [12]	Meta-analysis	Yes	Can't answer	Yes	Can't answer	Yes	No	Yes	Yes	Not applicable	No	No	5
Baker <i>et al.</i> , 2011 [13]	Narrative	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	8
Ogilvie <i>et al.</i> , 2007 [14]	Narrative	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Can't answer	Not applicable	Can't answer	No	7
Garret <i>et al.</i> , 2011 [15]	Narrative	Yes	No	Can't answer	No	Yes	Yes	Yes	Yes	Not applicable	No	No	5
Cleland <i>et al.</i> , 2012 [16]	Meta-analysis	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	9
Norris <i>et al.</i> , 2009 [17]	Meta-analysis	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	9
Baker <i>et al.</i> , 2011 [18]	Narrative	Yes	Can't answer	Yes	Yes	Yes	Can't answer	Yes	Yes	Not applicable	No	No	6

Note: * After removal of duplicates, the 18 selected reviews included 195 primary studies (see section “Reference List of the Underlying Primary Studies”) of community-based interventions promoting physical activity and healthy eating. The following list shows the references of the underlying studies.

Reference List of the Underlying Primary Studies

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