

Table 12. Quality criteria met by studies

Study	Description		Sampling			Measurement					Analysis					Results		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Hillsdon et al., 2002 ⁹⁷	✓		✓	✓		✓			✓		✓	✓					✓	✓
Bull & Jamrozik, 1998 ¹¹³ Bull et al., 1999a ⁵⁷		✓	✓			✓					✓	✓					✓	✓
Miller et al., 2002 ⁷⁸	✓	✓	✓	✓	✓						✓	✓				✓	✓	✓
Hilton et al., 1999 ¹³⁰ Step toe et al., 1999 ⁵⁸ Step toe et al., 2000 ⁷⁵ Step toe et al., 2001 ¹³¹	✓	✓				✓			✓	✓	✓	✓	✓		✓		✓	✓
Halbert et al., 1999 ¹³² Halbert et al., 2000 ⁵⁹	✓	✓							✓	✓	✓	✓				✓	✓	✓
Kreuter et al., 2000 ¹³³ Bull et al., 1999b ¹³⁴				✓		✓					✓	✓			✓			✓
Harland et al., 1999 ¹³⁵	✓		✓			✓					✓	✓	✓			✓	✓	✓
Kerse et al., 1999 ⁶⁰			✓			✓					✓	✓	✓		✓	✓	✓	✓
Burke et al., 1998 ⁶⁵											✓	✓	✓		✓		✓	✓
Eckstrom et al., 1999 ¹³⁶				✓	✓						✓	✓	✓		✓		✓	✓
Bauer et al., 1985 ⁵¹ Rose, 1970 ¹³⁷ Rose et al., 1980 ¹³⁸				✓							✓	✓					✓	
Gomel et al., 1993 ¹³⁹ Gomel et al., 1997 ¹⁴⁰	✓			✓							✓	✓	✓		✓	✓	✓	✓
Carlaw et al., 1984 ¹⁴¹ Jacobs et al., 1986 ¹⁴² Luepker et al., 1985 ¹⁴³ Luepker et al., 1994 ⁴⁹ Mittelmark et al., 1986 ¹⁴⁴						✓	✓	✓			✓	✓	✓		✓		✓	✓
Bock et al., 2001 ¹¹⁴ Marcus et al., 1998 ⁷³									✓	✓	✓	✓					✓	
Belisle et al., 1987 ⁷⁴		✓				✓					✓	✓	✓		✓		✓	✓
Belisle et al., 1987 ⁷⁴		✓				✓					✓	✓	✓		✓		✓	✓
Blalock et al., 2000 ⁷⁶			✓								✓	✓	✓		✓			✓
Caserta & Gillett, 1998 ¹¹⁵ Gillett et al., 1996 ⁶³ Gillett & Caserta, 1996 ⁷⁹						✓			✓	✓	✓	✓	✓				✓	✓

Table 12. Quality criteria met by studies (continued)

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Chen et al., 1998 ¹⁴⁵	✓					✓	✓	✓	✓	✓	✓	✓				✓	✓	✓
Dale et al., 1998 ¹⁴⁶ Dale & Corbin, 2000 ⁶⁶				✓					✓	✓	✓	✓						
Edye et al., 1989 ¹⁴⁷				✓		✓			✓	✓	✓	✓					✓	
Elder et al., 1995 ¹⁴⁸ Elder et al., 1994 ¹⁴⁹	✓					✓	✓	✓		✓	✓	✓	✓				✓	✓
Gemson & Sloan, 1995 ⁶⁸											✓		✓				✓	✓
Godin et al., 1987 ¹¹⁶										✓	✓	✓	✓					
Graham-Clarke & Oldenburg, 1994 ¹¹⁷									✓	✓	✓	✓						✓
Green et al., 2002 ⁶¹	✓	✓			✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Howard et al., 1996 ⁵⁶				✓							✓	✓						
Keyserling et al., 2002 ¹⁵⁰	✓					✓			✓	✓	✓	✓	✓			✓	✓	✓
Knutsen & Knutsen, 1989 ¹⁵¹ Knutsen & Knutsen, 1990 ¹⁵² Knutsen & Knutsen, 1991 ¹⁵³ Thelle et al., 1976 ¹⁵⁴			✓	✓	✓					✓	✓	✓				✓		✓
Kreuter & Strecher, 1996 ¹⁵⁵	✓			✓							✓	✓	✓			✓	✓	
Linenger et al., 1991 ⁷¹									✓	✓	✓	✓	✓				✓	
Lombard et al., 1995 ⁶⁹		✓	✓			✓	✓	✓	✓	✓	✓	✓	✓				✓	✓
Lovibond et al., 1986 ¹⁵⁶									✓	✓	✓	✓	✓			✓		✓
Edmundson et al., 1996 ¹¹⁸ Luepker et al., 1996 ⁵³ Nader et al., 1999 ⁵² Perry et al., 1997 ¹¹⁹ Simons-Morton et al., 1997 ¹²⁰ Stone et al., 1996 ¹²¹ Nader et al., 1996 ¹²² McKenzie et al., 2001 ¹²³ McKenzie et al., 1996 ¹²⁴ McKenzie et al., 1994 ¹²⁵ Hearn, 1992 ¹²⁶ McKenzie et al., 1995 ¹²⁷	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
MacKeen et al., 1985 ¹⁵⁷ Remington et al., 1978 ¹⁵⁸ Taylor et al., 1973 ¹⁵⁹					✓				✓	✓	✓	✓					✓	✓

Table 12. Quality criteria met by studies (continued)

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Mutrie et al., 2002 ⁷⁰				✓					✓	✓	✓	✓	✓					
Nader et al., 1986 ¹²⁸ Nader et al., 1989 ¹²⁹						✓			✓	✓	✓	✓	✓			✓	✓	✓
O'Loughlin et al., 1996 ⁶⁷						✓			✓	✓	✓	✓	✓				✓	✓
Ostwald, 1989 ¹⁶⁰				✓							✓	✓				✓	✓	
Owen et al., 1987 ¹⁶¹		✓				✓					✓							
Owen et al., 1987 ⁷⁷						✓					✓	✓	✓			✓	✓	✓
Kriska et al., 1986 ¹⁶² Pereira et al., 1998 ⁶⁴						✓			✓	✓	✓	✓	✓			✓	✓	✓
Perkio-Makela, 1999 ⁷²						✓			✓	✓	✓	✓				✓	✓	
Sherman et al., 1989 ¹⁶³											✓	✓				✓	✓	
Smith et al., 2000 ¹⁶⁴						✓			✓	✓	✓	✓				✓		✓
Stevens et al., 1998 ⁶²			✓	✓		✓					✓	✓					✓	
Carleton et al., 1987 ¹⁶⁵ Carleton et al., 1995 ¹⁶⁶ Eaton et al., 1999 ⁵⁰ Marcus et al., 1992 ¹⁶⁷ Levin et al., 1998 ¹⁶⁸ McGraw et al., 1989 ¹⁶⁹		✓			✓	✓				✓	✓				✓		✓	✓

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Quality Measures

Description

1. Was the study sample well described?
2. Was the intervention well described (what, how, who, where)?

Sampling

3. Did the authors specify the sampling frame or universe of selection for the study sample?
4. Was the sample that served as the unit of analysis the entire eligible sample or a probability sample at the point of reference?
5. Are there other selection bias issues not otherwise addressed? [note: Check in table for "no"]

Measurement

6. Did the authors attempt to measure exposure to the intervention?
7. Was the exposure variable valid?
8. Was the exposure variable reliable (consistent and reproducible)?
9. Were the outcome and other independent (or predictor) variables valid?
10. Were the outcome and other independent (or predictor) variables reliable (consistent and reproducible)?

Table 12. Quality criteria met by studies (continued)

Analysis

Did the authors conduct appropriate statistical testing by:

11. conducting statistical testing (when appropriate)?
12. reporting which statistical tests were used?
13. controlling for repeated measures in samples that were followed over time?
14. controlling for differential exposure to the intervention?
15. using a model designed to handle multi-level data when they included group-level and individual covariates in the model?

Results

16. Did at least 80 percent of enrolled participants complete the study?
17. Did the authors assess if the units of analysis were comparable prior to exposure to the intervention?
18. Did the authors institute study procedures to limit bias appropriately (e.g. randomization, restriction, matching, stratification or statistical adjustment)?