

## SUPPLEMENTARY MATERIALS

### **Psychological interventions for coronary heart disease: Cochrane systematic review and meta-analysis: List of online supplementary materials**

Supplementary methods 1	Electronic database search strategy
Supplementary table 1	References to included studies
Supplementary table 2	Risk of bias: review authors' judgements about each risk of bias item across all included studies
Supplementary figure 1	PRISMA flow diagram
Supplementary figure 2	Forest plot of psychological intervention versus usual care: total mortality
Supplementary figure 3	Forest plot of psychological intervention versus usual care: revascularization procedures
Supplementary figure 4	Forest plot of psychological intervention versus usual care: non-fatal MI
Supplementary table 3	Health related quality of life scores at follow-up
Supplementary table 4	Meta-regression results for total-mortality, CV-mortality, depression and anxiety outcomes

## **Supplementary methods 1. Electronic database search strategy**

Building on the searches undertaken for the 2<sup>nd</sup> update of this review, additional terms were added in 3<sup>rd</sup> update searches and no date restrictions were applied to those new terms (see below). Date restrictions (Jan 2009 – May 2015) were only applied to terms used in previous updates. The searches were then updated in April 2016 to ensure the review remained up to date (not reproduced below). The CENTRAL search has been restricted by publication year and the other searches were limited by entry date.

### ***CENTRAL***

- #1 MeSH descriptor: [Myocardial Ischemia] explode all trees
- #2 (myocard\* near isch\*mi\*)
- #3 isch\*mi\* near heart
- #4 MeSH descriptor: [Coronary Artery Bypass] explode all trees
- #5 coronary
- #6 MeSH descriptor: [Coronary Disease] explode all trees
- #7 MeSH descriptor: [Myocardial Revascularization] explode all trees
- #8 MeSH descriptor: [Myocardial Infarction] explode all trees
- #9 myocard\* near infarct\*
- #10 heart near infarct\*
- #11 MeSH descriptor: [Angina Pectoris] explode all trees
- #12 angina
- #13 MeSH descriptor: [Heart Failure] explode all trees
- #14 heart and (failure or attack)
- #15 MeSH descriptor: [Heart Diseases] explode all trees
- #16 heart and disease\*
- #17 myocard\*
- #18 cardiac\*
- #19 CABG
- #20 PTCA
- #21 stent\* and (heart or cardiac\*)
- #22 MeSH descriptor: [Heart Bypass, Left] explode all trees
- #23 MeSH descriptor: [Heart Bypass, Right] explode all trees
- #24 #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23
- #25 MeSH descriptor: [Psychotherapy] explode all trees
- #26 psychotherap\*
- #27 psycholog\* near intervent\*
- #28 relax\*
- #29 MeSH descriptor: [Relaxation Therapy] explode all trees

#30 MeSH descriptor: [Counseling] explode all trees  
 #31 counsel\*ing  
 #32 MeSH descriptor: [Cognitive Therapy] explode all trees  
 #33 MeSH descriptor: [Behavior Therapy] explode all trees  
 #34 (behavio\*r\*) near/4 (modif\* or therap\* or rehab\* or change)  
 #35 MeSH descriptor: [Stress, Psychological] explode all trees  
 #36 stress near manage\*  
 #37 cognitive\* near therap\*  
 #38 MeSH descriptor: [Meditation] explode all trees  
 #39 meditat\*  
 #40 MeSH descriptor: [Anxiety] explode all trees  
 #41 (manage\*) near (anxiety or depres\*)  
 #42 CBT  
 #43 hypnotherap\*  
 #44 goal near/3 setting  
 #45 (psycho-educat\*) or (psychoeducat\*)  
 #46 motivat\* near interv\*  
 #47 MeSH descriptor: [Psychopathology] explode all trees  
 #48 psychopathol\*  
 #49 MeSH descriptor: [Autogenic Training] explode all trees  
 #50 autogenic\*  
 #51 self near (manage\* or care or motivat\*)  
 #52 distress\*  
 #53 psychosocial\* or psycho-social  
 #54 #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or  
 #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47 or #48 or #49 or #50 or #51  
 or #52 or #53  
 #55 #24 and #54  
 #56 MeSH descriptor: [Percutaneous Coronary Intervention] explode all trees  
 #57 "percutaneous coronary" near/2 (interven\* or revascular\*)  
 #58 MeSH descriptor: [Angioplasty] explode all trees  
 #59 angioplast\*  
 #60 (coronary or arterial) near/4 dilat\*  
 #61 endoluminal next repair\*  
 #62 MeSH descriptor: [Stents] explode all trees  
 #63 stent\*  
 #64 pci or ptca  
 #65 MeSH descriptor: [Atherectomy] explode all trees  
 #66 atherectom\*  
 #67 "acute coronary syndrom\*"

#68 #56 or #57 or #58 or #59 or #60 or #61 or #62 or #63 or #64 or #65 or #66 or #67  
 #69 #68 or #24  
 #70 #69 and #54  
 #71 #70 not #55  
 #72 #55 Publication Year from 2009 to 2015  
 #73 #72 or #71

## ***MEDLINE***

1. exp Myocardial Ischemia/
2. (myocard\* adj4 (ischaemi\* or ischemi\*)).tw.
3. exp Coronary Artery Bypass/
4. ((ischaemi\* or ischemi\*) adj4 heart).tw.
5. coronary.tw.
6. exp Coronary Disease/
7. exp Myocardial Revascularization/
8. exp Myocardial Infarction/
9. (myocard\* adj4 infarct\*).tw.
10. (heart adj4 infarct\*).tw.
11. exp Angina Pectoris/
12. angina.tw.
13. exp Heart Failure/
14. (heart adj6 failure).tw.
15. or/1-14
16. exp Heart Diseases/
17. myocard\*.tw.
18. cardiac\*.tw.
19. CABG.tw.
20. PTCA.tw.
21. (stent\* and heart).tw.
22. Heart Bypass, Left/ or Heart Bypass, Right/
23. (heart adj4 disease\*).tw.
24. or/16-23
25. exp Psychotherapy/
26. psychotherap\*.tw.
27. (psycholog\* adj4 intervent\*).tw.
28. relax\*.tw.
29. exp Relaxation Techniques/
30. exp Counseling/
31. (counselling or counseling).tw.
32. ((behavior\* or behaviour\*) adj4 (modify or modificat\* or therap\* or change)).tw.
33. Stress, Psychological/
34. (stress adj4 management).tw.
35. (cognitive adj4 therap\*).tw.
36. meditat\*.tw.
37. anxiety.tw.
38. (manage\* adj2 (anxiety or depres\*)).tw.
39. CBT.tw.
40. hypnotherap\*.tw.
41. (goal\* adj3 setting).tw.
42. (psycho-educat\* or psychoeducat\*).tw.
43. (motivat\* adj3 interv\*).tw.
44. Psychopathology/
45. psychopathol\*.tw.
46. psychosocial\*.tw.

47. distress\*.tw.
48. Health Education/
49. (health adj2 education).tw.
50. (heart adj manual).tw.
51. Autogenic Training/
52. autogenic\*.tw.
53. or/25-52
54. 24 or 15
55. 53 and 54
56. randomized controlled trial.pt.
57. controlled clinical trial.pt.
58. randomized.ab.
59. placebo.ab.
60. drug therapy.fs.
61. randomly.ab.
62. trial.ab.
63. groups.ab.
64. 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63
65. exp animals/ not humans.sh.
66. 64 not 65
67. 55 and 66
68. exp Percutaneous Coronary Intervention/
69. (percutaneous coronary adj2 (interven\* or revascular\*)).tw.
70. exp Angioplasty/
71. angioplast\*.tw.
72. ((coronary or arterial) adj4 dilat\*).tw.
73. endoluminal repair\*.tw.
74. exp Stents/
75. stent\*.tw.
76. (pci or ptca).tw.
77. exp Atherectomy/
78. atherectom\*.tw.
79. acute coronary syndrom\*.tw.
80. or/68-79
81. 54 or 80
82. 53 and 66 and 81
83. 82 not 67
84. (2009\* or 2010\* or 2011\* or 2012\* or 2013\* or 2014\* or 2015\*).ed.
85. 67 and 84
86. 83 or 85

### ***EMBASE***

1. heart disease/
2. (myocard\* adj2 (ischaemi\* or ischemi\*)).tw.
3. ((ischaemi\* or ischemi\*) adj4 heart).tw.
4. coronary artery disease/

5. transluminal coronary angioplasty/
6. (coronary adj4 (disease\* or bypass\* or thrombo\* or angioplast\*)).tw.
7. heart infarction/
8. (myocard\* adj2 infarct\*).tw.
9. (heart adj2 infarc\*).tw.
10. heart muscle revascularization/
11. angina pectoris/
12. angina.tw.
13. (heart adj2 failure).tw.
14. (heart adj2 disease\*).tw.
15. cardiac\*.tw.
16. CABG.tw.
17. PTCA.tw.
18. (stent\* and heart).tw.
19. extracorporeal circulation/
20. or/1-19
21. psychotherapy/
22. psychotherap\*.tw.
23. relax\*.tw.
24. (psycholog\* adj4 intervent\*).tw.
25. relaxation training/
26. exp counseling/
27. (counselling or counseling).tw.
28. ((behavior\* or behaviour\*) adj4 (modify or modificat\* or therapy\* or change)).tw.
29. stress management/
30. (stress adj3 management).tw.
31. exp meditation/
32. meditat\*.tw.
33. (manage\* adj2 (anxiety or depres\*)).tw.
34. CBT.tw.
35. hypnotherap\*.tw.
36. (goal\* adj3 setting).tw.
37. (motivat\* adj4 intervent\*).tw.
38. psychosocial care/
39. psychosocial rehabilitation/
40. psychosocial.tw.
41. autogenic training/
42. autogenic.tw.
43. or/21-42
44. 20 and 43
45. random\$.tw.
46. factorial\$.tw.
47. crossover\$.tw.
48. cross over\$.tw.
49. cross-over\$.tw.
50. placebo\$.tw.
51. (doubl\$ adj blind\$).tw.
52. (singl\$ adj blind\$).tw.

53. assign\$.tw.
54. allocat\$.tw.
55. volunteer\$.tw.
56. crossover procedure/
57. double blind procedure/
58. randomized controlled trial/
59. single blind procedure/
60. 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59
61. (animal/ or nonhuman/) not human/
62. 60 not 61
63. 44 and 62
64. (2009\* or 2010\* or 2011\* or 2012\* or 2013\* or 2014\* or 2015\* or 2015\*).dd.
65. (2009\* or 2010\* or 2011\* or 2012\* or 2013\* or 2014\* or 2015\* or 2015\*).em.
66. 64 or 65
67. 63 and 66
68. percutaneous coronary intervention/
69. (percutaneous coronary adj2 (interven\* or revascular\*)).tw.
70. exp angioplasty/
71. angioplast\*.tw.
72. ((coronary or arterial) adj4 dilat\*).tw.
73. endoluminal repair\*.tw.
74. exp stent/
75. stent\*.tw.
76. (pci or ptca).tw.
77. exp atherectomy/
78. atherectom\*.tw.
79. acute coronary syndrom\*.tw.
80. or/68-79
81. 20 or 80
82. 43 and 62 and 81
83. 82 not 63
84. 67 or 83

### ***PsychINFO***

1. heart disorders/
2. myocardial infarctions/
3. exp Ischemia/
4. heart surgery/
5. angioplasty.tw.
6. (heart adj bypass).tw.
7. coronary.tw.
8. (ischemi\* or ischaemi\*).tw.
9. (myocard\* adj2 infarct\*).tw.
10. (heart adj2 (infarc\* or failure or attack)).tw.
11. angina.tw.
12. (heart adj6 disease\*).tw.

13. myocard\*.tw.
14. cardiac\*.tw.
15. CABG.tw.
16. PTCA.tw.
17. or/1-16
18. exp Psychotherapy/
19. psychotherap\*.tw.
20. treatment/
21. (psycholog\* adj intervent\*).tw.
22. exp Counseling/
23. Coping Behavior/
24. exp Meditation/
25. Autogenic Training/
26. relax\*.tw.
27. (counselling or counseling).tw.
28. ((behaviour or behavior) adj3 (modif\* or therap\* or rehabilit\* or change)).tw.
29. (stress adj3 manage\*).tw.
30. meditat\*.tw.
31. (manage\* adj2 (anxiety or depres\*)).tw.
32. (CBT or (cognitiv\* adj2 therap\*)).tw.
33. hypnotherap\*.tw.
34. (psycho-educat\* or psychoeducat\*).tw.
35. (motivat\* adj4 intervent\*).tw.
36. (self adj2 manag\*).tw.
37. autogenic\*.tw.
38. (goal\* adj3 setting).tw.
39. or/18-38
40. 17 and 39
41. random\$.tw.
42. factorial\$.tw.
43. crossover\$.tw.
44. cross-over\$.tw.
45. placebo\$.tw.
46. (doubl\$ adj blind\$).tw.
47. (singl\$ adj blind\$).tw.
48. assign\$.tw.
49. allocat\$.tw.
50. volunteer\$.tw.
51. control\*.tw.
52. "2000".md.
53. or/41-52
54. 40 and 53
55. (2009\* or 2010\* or 2011\* or 2012\* or 2013\* or 2014\* or 2015\*).up.
56. 54 and 55
57. (percutaneous coronary adj2 (interven\* or revascular\*)).tw.
58. angioplast\*.tw.
59. ((coronary or arterial) adj4 dilat\*).tw.
60. endoluminal repair\*.tw.



61. stent\*.tw.
62. (pci or ptca).tw.
63. atherectom\*.tw.
64. acute coronary syndrom\*.tw.
65. or/57-64
66. 17 or 65
67. 39 and 53 and 66
68. 67 not 54
69. 56 or 68

## ***CINAHL***

- S67 S54 OR S66  
 S66 S65 not S52  
 S65 S45 AND S51 AND S64  
 S64 S22 OR S63  
 S63 S55 OR S56 OR S57 OR S58 OR S59 OR S60 OR S61 OR S62  
 S62 TI (acute coronary syndrom\*) or AB (acute coronary syndrom\*)  
 S61 TI atherectom\* or AB atherectom\*  
 S60 TI (pci or ptca) or AB (pci or ptca)  
 S59 TI stent\* or AB stent\*  
 S58 TI (endoluminal repair\*) or AB (endoluminal repair\*)  
 S57 TI ((coronary or arterial) and dilat\*) or AB ((coronary or arterial) and dilat\*)  
 S56 TI angioplast\* or AB angioplast\*  
 S55 TI (percutaneous coronary and (interven\* or revascular\*)) or AB (percutaneous coronary and (interven\* or revascular\*))  
 S54 S52 AND S53  
 S53 EM 20090101-20150129  
 S52 S46 AND S51  
 S51 S47 OR S48 OR S49 OR S50  
 S50 TI ((SINGL\* OR DOUBLE\* OR TRIPLE\* OR TREBLE\*) AND (BLIND\* OR MASK\*)) or AB ((SINGL\* OR DOUBLE\* OR TRIPLE\* OR TREBLE\*) AND (BLIND\* OR MASK\*))  
 S49 TI (RANDOM\* OR PLACEBO\*) or AB (RANDOM\* OR PLACEBO\*)  
 S48 PT clinical trial  
 S47 (MH "Clinical Trials+")  
 S46 S22 AND S45  
 S45 S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44  
 S44 TI autogenic\* or AB autogenic\*  
 S43 TI psychosocial\* or AB psychosocial\*  
 S42 TI (motivat\* and (interv\* or intervent\*)) or AB (motivat\* and (interv\* or intervent\*))  
 S41 TI (psycho-educat\* or psychoeducat\*) or AB (psycho-educat\* or psychoeducat\*)  
 S40 TI (goal\* and setting) or AB (goal\* and setting)  
 S39 TI hypnotherap\* or AB hypnotherap\*  
 S38 TI CBT or AB CBT  
 S37 TI (manage\* and (anxiety or depress\*)) or AB (manage\* and (anxiety or depress\*))  
 S36 (MH "Anxiety+")

S35 TI meditat\* or AB meditat\*  
 S34 (MH "Meditation")  
 S33 TI (cognitive and therap\*) or AB (cognitive and therap\*)  
 S32 TI (stress and manag\*) or AB (stress and manag\*)  
 S31 (MH "Stress Management")  
 S30 TI ((behavior\* or behaviour\*) and (modify or modificat\* or therap\* or change)) or AB  
 ((behavior\* or behaviour\*) and (modify or modificat\* or therap\* or change))  
 S29 (MH "Counseling+")  
 S28 TI (counselling or counseling) or AB (counselling or counseling)  
 S27 (MH "Relaxation Techniques")  
 S26 TI relax\* or AB relax\*  
 S25 TI (psycholog\* and intervent\*) or AB (psycholog\* and intervent\*)  
 S24 TI psychotherap\* or AB psychotherap\*  
 S23 (MH "Psychotherapy+")  
 S22 S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR  
 S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21  
 S21 (MH "Angina Pectoris")  
 S20 (MH "Heart Failure")  
 S19 (MH "Cardiovascular Diseases")  
 S18 (MH "Heart Diseases")  
 S17 (MH "Myocardial Revascularization")  
 S16 (MH "Myocardial Diseases")  
 S15 (MH "Cardiac Patients")  
 S14 (MH "Coronary Disease")  
 S13 (MH "Coronary Artery Bypass")  
 S12 (MH "Myocardial Infarction")  
 S11 (MH "Myocardial Ischemia")  
 S10 TI (stent\* and (heart or cardiac\*)) or AB (stent\* and (heart or cardiac\*))  
 S9 TI PTCA or AB PTCA  
 S8 TI CABG or AB CABG  
 S7 TI cardiac\* or AB cardiac\*  
 S6 TI (heart and diseas\*) or AB (heart and diseas\*)  
 S5 TI (heart and failure) or AB (heart and failure)  
 S4 TI angina or AB angina  
 S3 TI ((myocard\* or heart) and infarc\*) or AB ((myocard\* or heart) and infarc\*)  
 S2 TI coronary or AB coronary  
 S1 TI ((myocard\* or heart) and (ischaemi\* or ischemi\*)) or AB ((myocard\* or heart) and  
 (ischaemi\* or ischemi\*))

## Supplementary table 1: List of included studies including associated publications

Study Identifier	References
Appels 2005	<p>*Appels A, Bär F, van der Pol G, Erdman R, Assman M, Trijsburg W, et al. Effects of treating exhaustion in angioplasty patients on new coronary events: results of the randomized exhaustion intervention trial (EXIT). <i>Psychosomatic Medicine</i> 2005;67(2):217-23.</p> <p>Appels A, van Elderen T, Bär F, van der Pol G, Erdman RA, Assman M, et al. Effects of a behavioural intervention on quality of life and related variables in angioplasty patients: results of the exhaustion intervention trial. <i>Journal of Psychosomatic Research</i> 2006;61(1):1-7.</p>
Black 1998	<p>Black JL, Allison TG, Williams DE, Rummans TA, Gau GT. Effect of intervention for psychological distress on rehospitalization rates in cardiac rehabilitation patients. <i>Psychosomatics</i> 1998;39(2):134-43.</p>
Blumenthal 2016	<p>*Blumenthal JA, Sherwood A, Smith PJ, Watkins L, Mabe S, Kraus WE, et al. Enhancing Cardiac Rehabilitation With Stress Management Training A Randomized, Clinical Efficacy Trial. <i>Circulation</i> 2016;133(14):1341-50.</p> <p>Blumenthal JA, Want JT, Babyak M, Watkins L, Kraus W, Miller P, Hinderliter A, Sherwood A. Enhancing standard cardiac rehabilitation with stress management training: background, methods, and design for the ENHANCED study. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> 2010;30(2):77-84.</p>
Brown 1993	<p>Brown MA, Munford AM, Munford PR. Behavior therapy of psychological distress in patients after myocardial infarction or coronary bypass. <i>Journal of Cardiopulmonary Rehabilitation</i> 1993;13(3):201-10.</p>
Burell 1996	<p>Burell G. Behaviour modification after coronary artery bypass graft surgery: effects on cardiac morbidity and mortality. <i>Journal of Rehabilitation Science</i> 1995;8:39-40.</p> <p>*Burell G. Group psychotherapy in Project New Life: treatment of coronary-prone behaviors for patients who have had coronary artery bypass graft surgery. In: Allan R, Scheidt S, editor(s). <i>Heart and Mind</i>. Washington: American Psychological Association, 1996:291-310.</p>
Burgess 1987	<p>Burgess AW, Lerner DJ, D'Agostino RB, Vokonas PS. A randomized control trial of cardiac rehabilitation. <i>Social Science and Medicine</i> 1987;24(4):359-70.</p>
Claesson 2005	<p>Burell G, Granlund B. Women's hearts need special treatment. <i>International Journal of Behavioral Medicine</i> 2002;9(3):228-42.</p> <p>*Claesson M, Birgander L, Lindahl B, Nasic S, Aström M, Asplund K, et al. Women's hearts: stress management for women with ischemic heart disease: explanatory analyses of a randomized controlled trial. <i>Journal of Cardiopulmonary Rehabilitation</i> 2005;25(2):93-102.</p> <p>Claesson M, Birgander LS, Jansson JH, Lindahl B, Burell G, Asplund K, et al. Cognitive-behavioural stress management does not improve biological cardiovascular risk indicators in women with ischaemic heart disease: a randomized-controlled trial. <i>Journal of Internal Medicine</i> 2006;260(4):320-31.</p>

Davidson 2010	<p>Burg M, Lespérance F, Rieckmann N, Clemow L, Skotzko C, Davidson K. Treating persistent depressive symptoms in post-ACS patients: The project COPES phase-I randomized controlled trial. <i>Contemporary Clinical Trials</i> 2008;29(2):231-240.</p> <p>Davidson K, Rieckmann N, Kronish I, Schwartz J, Burg M. Coronary psychosocial evaluation studies (COPES) randomized controlled trial - long term depression and prognosis results. <i>Journal of Psychosomatic Research</i> 2011;70 (6):589-90.</p> <p>*Davidson KW, Rieckmann N, Clemow L, Schwartz JE, Shimbo D, Medina V, et al. Enhanced depression care for patients with acute coronary syndrome and persistent depressive symptoms: coronary psychosocial evaluation studies randomized controlled trial. <i>Archives of Internal Medicine</i> 2010;170:600-8.</p> <p>Kronish IM, Chaplin WF, Rieckmann N, Burg MM, Davidson KW. The effect of enhanced depression care on anxiety symptoms in acute coronary syndrome patients: findings from the COPES trial. <i>Psychotherapy and Psychosomatics</i> 2012;81:245-7.</p> <p>Kronish IM, Rieckmann N, Burg MM, Edmondson D, Schwartz JE, Davidson KW. The effect of enhanced depression care on adherence to risk-reducing behaviors after acute coronary syndromes: findings from the COPES trial. <i>American Heart Journal</i> 2012;164:524-9.</p> <p>Ladapo JA, Shaffer JA, Fang Y, Ye S, Davidson KW. Cost-effectiveness of enhanced depression care after acute coronary syndrome: results from the Coronary Psychosocial Evaluation Studies randomized controlled trial. <i>Archives of Internal Medicine</i> 2012;172:1682-4.</p> <p>Ye S, Shaffer JA, Rieckmann N, Schwartz JE, Kronish IM, Ladapo JA, et al. Long-term outcomes of enhanced depression treatment in patients with acute coronary syndromes. <i>American Journal of Medicine</i> 2014;127:1012-6.</p> <p>Ye S, Shaffer JA, Rieckmann N, Schwartz JE, Kronish IM, Ladapo JA, et al. Long-term outcomes of enhanced depression treatment in patients with acute coronary syndromes. <i>American Journal of Medicine</i> 2014;127:1012-6.</p>
Elderen 1994	<p>Elderen-van-Kemenade T, Maes S, van-den-Broek Y. Effects of a health education programme with telephone follow-up during cardiac rehabilitation. <i>British Journal of Clinical Psychology</i> 1994;33(3):367-78.</p>
ENRICHD Investigators 2000	<p>Blumenthal J, Babyak M, Carney R, Huber M, Saab P, Burg M, et al. Exercise, depression, and mortality after myocardial infarction in the ENRICHD trial. <i>Medicine and Science in Sports and Exercise</i> 2004;36(5):746-55.</p> <p>Carney R, Blumenthal J, Freedland K, Youngblood M, Veith R, Burg M, et al. Depression and late mortality after myocardial infarction in the Enhancing Recovery in Coronary Heart Disease ENRICHD study. <i>Psychosomatic Medicine</i> 2004;66(4):466-74.</p> <p>Cowan MJ, Freedland KE, Burg MM, Saab PG, Youngblood ME, Cornell CE, et al. Predictors of treatment response for depression and inadequate social support--the ENRICHD randomized clinical trial. <i>Psychotherapy and Psychosomatics</i> 2008;77(1):27-37.</p> <p>ENRICHD Investigators Writing Committee. Effects of treating depression and low perceived social support on clinical events after myocardial infarction: the Enhancing Recovery in Coronary Heart Disease Patients (ENRICHD) Randomized Trial. <i>Journal of the American Medical Association</i> 2003;289(23):3106-16.</p>

	<p>ENRICHD investigators. Enhancing Recovery in Coronary Heart Disease (ENRICHD) study intervention: rationale and design. <i>Psychosomatic Medicine</i> 2001;63(5):747-55.</p> <p>Froelicher E, Miller N, Buzaitis A, Pfenninger P, Misuraco A, Jordan S, et al. The Enhancing Recovery in Coronary Heart Disease Trial ENRICHD: strategies and techniques for enhancing retention of patients with acute myocardial infarction and depression or social isolation. <i>Journal of Cardiopulmonary Rehabilitation</i> 2003;23(4):269-80.</p> <p>Lett H, Blumenthal J, Babyak M, Catellier D, Carney R, Berkman L, et al. Social support and prognosis in patients at increased psychosocial risk recovering from myocardial infarction. <i>Health Psychology</i> 2007;26(4):418-27.</p> <p>Little D. An intervention to treat depression and increase social support did not prolong event-free survival in coronary heart disease. <i>ACP Journal Club</i> 2004;140(1):8.</p> <p>Louis AA, Manousos R, Coletta AP, Clark AL, Cleland JGF. Clinical trials update: The Heart Protection Study, IONA, CARISA, ENRICHD, ACUTE, ALIVE, MADIT II and REMATCH. Impact Of Nicorandil on Angina. Combination Assessment of Ranolazine In Stable Angina. Enhancing Recovery In Coronary Heart Disease patients. Assessment of Cardioversion Using Transoesophageal Echocardiography. Azimilide post-Infarct survival Evaluation. Randomised Evaluation of Mechanical Assistance for Treatment of Chronic Heart failure. <i>European Journal of Heart Failure</i> 2002;4(1):111-6.</p> <p>Mendes de Leon CF, Czajkowski S, Freedland K, Bang H, Powell L, Wu C, et al. The effect of a psychosocial intervention and quality of life after acute myocardial infarction: the Enhancing Recovery in Coronary Heart Disease ENRICHD clinical trial. <i>Journal of Cardiopulmonary Rehabilitation</i> 2006;26(1):9-13.</p> <p>Saab PG, Bang H, Williams RB, Powell LH, Schneiderman N, Thoresen C, et al. The impact of cognitive behavioral group training on event-free survival in patients with myocardial infarction: the ENRICHD experience. <i>Journal of Psychosomatic Research</i> 2009;67:45-56.</p> <p>Schneiderman N, Saab P, Catellier D, Powell L, DeBusk R, Williams R, et al. Psychosocial treatment within sex by ethnicity subgroups in the Enhancing Recovery in Coronary Heart Disease clinical trial. <i>Psychosomatic Medicine</i> 2004;66(4):475-83.</p> <p>*The ENRICHD Investigators. Enhancing recovery in coronary heart disease patients (ENRICHD): study design and methods. <i>American Heart Journal</i> 2000;139(1 Pt 1):1-9.</p> <p>Trockel M, Burg M, Jaffe A, Barbour K, Taylor CB. Smoking behavior post-myocardial infarction among ENRICHD trial participants: cognitive behavior therapy intervention for depression and low perceived social support compared with care as usual. <i>Psychosomatic Medicine</i> 2008;70(8):875-82.</p>
Freedland 2009	<p>Freedland KE, Skala JA, Carney RM, Rubin EH, Lustman PJ, Davila-Roman VG, et al. Treatment of depression after coronary artery bypass surgery: a randomized controlled trial. <i>Archives of General Psychiatry</i> 2009;66:387-96.</p>
Friedman 1982	<p>*Friedman M, Thoresen CE, Gill JJ, Ulmer D, Thompson L, Powell L et al. Feasibility of altering type A behaviour pattern after myocardial infarction. <i>Circulation</i> 1982;66(1):83-92.</p>

	<p>Friedman M, Thoresen CE, Gill JJ. Alteration of type A behavior and its effect on cardiac recurrences in post myocardial infarction patients: summary results of the recurrent coronary prevention project. <i>American Heart Journal</i> 1986;112(4):653-65.</p> <p>Mendes-de Leon C, Powell LH, Kaplan BH. Change in coronary-prone behaviors in the recurrent coronary prevention project. <i>Psychosomatic Medicine</i> 1991;53(4):407-19.</p> <p>Powell LH, Thoresen CE. Effects of type A behavioral counseling and severity of prior acute myocardial infarction on survival. <i>American Journal of Cardiology</i> 1988;62(17):1159-63.</p> <p>Powell LH. Can the type A behavior pattern be altered after myocardial infarction? A second year report from the Recurrent Coronary Prevention Project. <i>Psychosomatic Medicine</i> 1984;46(4):293-313.</p>
Gallacher 1997	Gallacher JEJ, Hopkinson CA, Bennett P, Burr ML, Elwood PC. Effect of stress management on angina. <i>Psychology and Health</i> 1997;12(4):523-32.
Gulliksson 2011	<p>*Gulliksson M, Burell G, Vessby B, Lundin L, Toss H, Svardsudd K. Randomized controlled trial of cognitive behavioral therapy vs standard treatment to prevent recurrent cardiovascular events in patients with coronary heart disease: Secondary Prevention in Uppsala Primary Health Care project (SUPRIM). <i>Archives of Internal Medicine</i> 2011;171:134-40.</p> <p>Gulliksson M, Burell G, Wessby B, Lundin L, Toss H, Svardsudd K. Randomized controlled trial of cognitive behavioral therapy vs standard treatment to prevent recurrent cardiovascular events in patients with coronary heart disease. <i>European Heart Journal</i> 2011;32:390.</p>
Jones 1996	Jones DA, West RR. Psychological rehabilitation after myocardial infarction: multicentre randomised controlled trial. <i>British Medical Journal</i> 1996;313(7071):1517-21.
Koertge 2008	<p>Blom M, Georgiades A, Janszky I, Alinaghizadeh H, Lindvall B, Ahnve S. Daily stress and social support among women with CAD: Results from a 1-year randomized controlled stress management intervention study. <i>International Journal of Behavioral Medicine</i> 2009;16:227-235.</p> <p>*Koertge J, Janszky I, Sundin O, Blom M, Georgiades A, László KD, et al. Effects of a stress management program on vital exhaustion and depression in women with coronary heart disease: a randomized controlled intervention study. <i>Journal of Internal Medicine</i> 2008;263(3):281-93.</p>
Lie 2007	<p>*Lie I, Arnesen H, Sandvik L, Hamilton G, Bunch EH. Effects of a home-based intervention program on anxiety and depression 6 months after coronary artery bypass grafting: a randomized controlled trial. <i>Journal of Psychosomatic Research</i> 2007;62:411-8.</p> <p>Lie I, Arnesen H, Sandvik L, Hamilton G, Bunch EH. Health-related quality of life after coronary artery bypass grafting. The impact of a randomised controlled home-based intervention program. <i>Quality of Life Research</i> 2009;18:201-7.</p>
Mayou 2002	Mayou R, Thompson D, Clements A, Davies C, Goodwin S, Normington K, et al. Guideline-based early rehabilitation after myocardial infarction: a pragmatic randomised controlled trial. <i>Journal of Psychosomatic Research</i> 2002;52(2):89-95.

McLaughlin 2005	<p>Bambauer KZ, Aupont O, Stone PH, Locke SE, Mullan MG, Colagiovanni J, et al. The effect of a telephone counseling intervention on self-rated health of cardiac patients. <i>Psychosomatic Medicine</i> 2005;67(4):539-45.</p> <p>*McLaughlin T, Aupont O, Bambauer K, Stone P, Mullan M, Colagiovanni J, et al. Improving psychologic adjustment to chronic illness in cardiac patients: the role of depression and anxiety. <i>Journal of General Internal Medicine</i> 2005;20(12):1084-90.</p>
Merswolken 2011	<p>*Merswolken M, Siebenhuener S, Orth-Gomer K, Zimmermann-Viehoff F, Deter HC. Treating anxiety in patients with coronary heart disease: a randomized controlled trial. <i>Psychotherapy and Psychosomatics</i> 2011;80:365-70.</p> <p>Merswolken M, Siebenhuner S, Orth-Gomer K, Deter HC. Treating anxiety in CAD patients. <i>Journal of Psychosomatic Research</i> 2010;68 (6):648-9.</p>
Michalsen 2005	<p>Michalsen A, Grossman P, Lehmann N, Knoblauch N, Paul A, Moebus S, et al. Psychological and quality-of-life outcomes from a comprehensive stress reduction and lifestyle program in patients with coronary artery disease: results of a randomized trial. <i>Psychotherapy and Psychosomatics</i> 2005;74(6):344-52.</p>
Neves 2009	<p>Neves A, Alves A J, Ribeiro F, Gomes J L, Oliveira J. The effect of cardiac rehabilitation with relaxation therapy on psychological, hemodynamic, and hospital admission outcome variables. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> 2009;29:304-9.</p>
O'Neil 2015	<p>O'Neil A, Hawkes AL, Chan B, Sanderson K, Forbes A, Hollingsworth B, et al. A randomised, feasibility trial of a tele-health intervention for acute coronary syndrome patients with depression ('MoodCare'): study protocol. <i>BMC Cardiovascular Disorders</i> 2011;11:8.</p> <p>*O'Neil A, Taylor B, Hare DL, Sanderson K, Cyril S, Venugopal K, et al. Long-term efficacy of a tele-health intervention for acute coronary syndrome patients with depression: 12-month results of the MoodCare randomized controlled trial. <i>European Journal of Preventive Cardiology</i> 2015;22(9):1111-20.</p> <p>O'Neil A, Taylor B, Sanderson K, Cyril S, Chan B, Hawkes AL, et al. Efficacy and feasibility of a tele-health intervention for acute coronary syndrome patients with depression: Results of the "MoodCare" randomized controlled trial. <i>Annals of Behavioral Medicine</i> 2014;48:163-74.</p>
Oldenburg 1985	<p>Oldenburg B, Perkins RJ, Andrews G. Controlled trial of psychological intervention in myocardial infarction. <i>Journal of Consulting and Clinical Psychology</i> 1985;53(6):852-9.</p>
Oranta 2010	<p>*Oranta O, Luutonen S, Salokangas RK, Vahlberg T, Leino-Kilpi H. The outcomes of interpersonal counselling on depressive symptoms and distress after myocardial infarction. <i>Nordic Journal of Psychiatry</i> 2010;64:78-86.</p> <p>Oranta O, Luutonen S, Salokangas RKR, Vahlberg T, Leino-Kilpi H. Nurse-led interpersonal counseling for depressive symptoms in patients with myocardial infarction. <i>Cardiology (Switzerland)</i> 2013;126:104.</p>
Peng 2005	<p>Peng J, Jiang LJ. Psychotherapy on negative emotions for the incidence of ischemia-related events in patients with coronary heart disease. <i>Chinese Journal of Clinical Rehabilitation</i> 2005;9(4):38-9.</p>

Rahe 1979	Rahe RH, Ward HW, Hayes V. Brief group therapy in myocardial infarction rehabilitation: three- to four-year follow-up of a controlled trial. <i>Psychosomatic Medicine</i> 1979;51(3):229-42.
Rakowska 2015	Rakowska JM. Brief strategic therapy in first myocardial infarction patients with increased levels of stress: A randomized clinical trial. <i>Anxiety, Stress and Coping: An International Journal</i> 2015;28(6):687-705.
Roncella 2013	<p>Adriana R, Christian P, Vincenzo P, Silvia S, Cinzia C, Diego I, et al. One-year follow-up results from the randomised study STEP IN AMI (Short Term Psychotherapy In Acute Myocardial Infarction). <i>European Journal of Integrative Medicine</i> 2012;4:58-9.</p> <p>Pristipino C, Roncella A, Cianfrocca C, Scorza S, Pasceri V, Pelliccia F, et al. One-year results of the randomized, controlled short-term psychotherapy in acute myocardial infarction (STEP-IN-AMI) trial. <i>European Journal of Preventive Cardiology</i> 2013;1:S93.</p> <p>Roncella A, Giornetti A, Cianfrocca C, Pasceri V, Pelliccia F, Denollet J, et al. Rationale and trial design of a randomized, controlled study on short-term psychotherapy after acute myocardial infarction: the STEP-IN-AMI trial (Short Term Psychotherapy in Acute Myocardial Infarction). <i>Journal of Cardiovascular Medicine</i> 2009;10:947-452.</p> <p>Roncella A, Pristipino C, Cianfrocca C, Pasceri V, Irini D, Scorza S, et al. Short TERM Psychotherapy IN Acute Myocardial Infarction (STEP IN AMI) Trial. Final results from a randomized trial. <i>European Heart Journal</i> 2012;33:954.</p> <p>*Roncella A, Pristipino C, Cianfrocca C, Scorza S, Pasceri V, Pelliccia F, et al. One-year results of the randomized, controlled, short-term psychotherapy in acute myocardial infarction (STEP-IN-AMI) trial. <i>International Journal of Cardiology</i> 2013;170:132-9.</p>
Schneider 2012	Schneider RH, Grim CE, Rainforth MV, Kotchen T, Nidich SI, Gaylord-King C, et al. Stress reduction in the secondary prevention of cardiovascular disease: randomized, controlled trial of transcendental meditation and health education in Blacks. <i>Circulation. Cardiovascular Quality and Outcomes</i> 2012;5:750-8.
Sebregts 2005	Sebregts E, Falger P, Appels A, Kester A, Bär F. Psychological effects of a short behavior modification program in patients with acute myocardial infarction or coronary artery bypass grafting A randomized controlled trial. <i>Journal of Psychosomatic Research</i> 2005;58(5):417-24.
Stern 1983	Stern MJ, Gorman PA, Kaslow L. The group counseling v exercise therapy study. A controlled intervention with subjects following myocardial infarction. <i>Archives of Internal Medicine</i> 1983;143(9):1719-25.
Turner 2013	<p>Murphy B, Higgins R, Worcester M, Elliott P, Navaratnam H, Mitchell F, et al. Group cognitive behaviour therapy for cardiac patients: Results of a randomised controlled trial. <i>Heart Lung and Circulation</i> 2010;19:S242.</p> <p>Murphy B, Worcester M, Higgins R, Turner A, Elliott P, Le Grande M, et al. Depressed cardiac patients improve with group cognitive behaviour therapy: Results of a randomised controlled trial. <i>Heart Lung and Circulation</i> 2011;20:S242.</p>



	<p>*Turner A, Hambridge J, Baker A, Bowman J, McElduff P. Randomised controlled trial of group cognitive behaviour therapy versus brief intervention for depression in cardiac patients. <i>Australian and New Zealand Journal of Psychiatry</i> 2013;47:235-43.</p> <p>Worcester M, Murphy B, Turner A, Higgins R, Elliott P, Navaratnam H, et al. Cognitive behaviour therapy benefits depressed cardiac patients: Results of a randomised controlled trial. <i>European Heart Journal</i> 2011;32:648.</p>
Turner 2014	Turner A, Murphy BM, Higgins RO, Elliott PC, Le Grande MR, Goble AJ, et al. An integrated secondary prevention group programme reduces depression in cardiac patients. <i>European Journal of Preventive Cardiology</i> 2014;21:153-62.
Van-Dixhoorn 1999	<p>Van-Dixhoorn J, Duivenvoorden HJ, Pool J, Verhage F. Psychic effects of physical training and relaxation therapy after myocardial infarction. <i>Journal of Psychosomatic Research</i> 1990;34(3):327-37.</p> <p>Van-Dixhoorn J, Duivenvoorden HJ, Staal HA, Pool J. Physical training and relaxation therapy in cardiac rehabilitation assessed through a composite criterion for training outcome. <i>American Heart Journal</i> 1989;118(3):545-52.</p> <p>Van-Dixhoorn J, Duivenvoorden HJ, Staal JA, Pool J, Verhage F. Cardiac events after myocardial infarction: possible effect of relaxation therapy. <i>European Heart Journal</i> 1987;8(11):1210-4.</p> <p>*Van-Dixhoorn JJ, Duivenvoorden HJ. Effect of relaxation therapy on cardiac events after myocardial infarction: a 5-year follow-up study. <i>Journal of Cardiopulmonary Rehabilitation</i> 1999;19(3):178-85.</p>

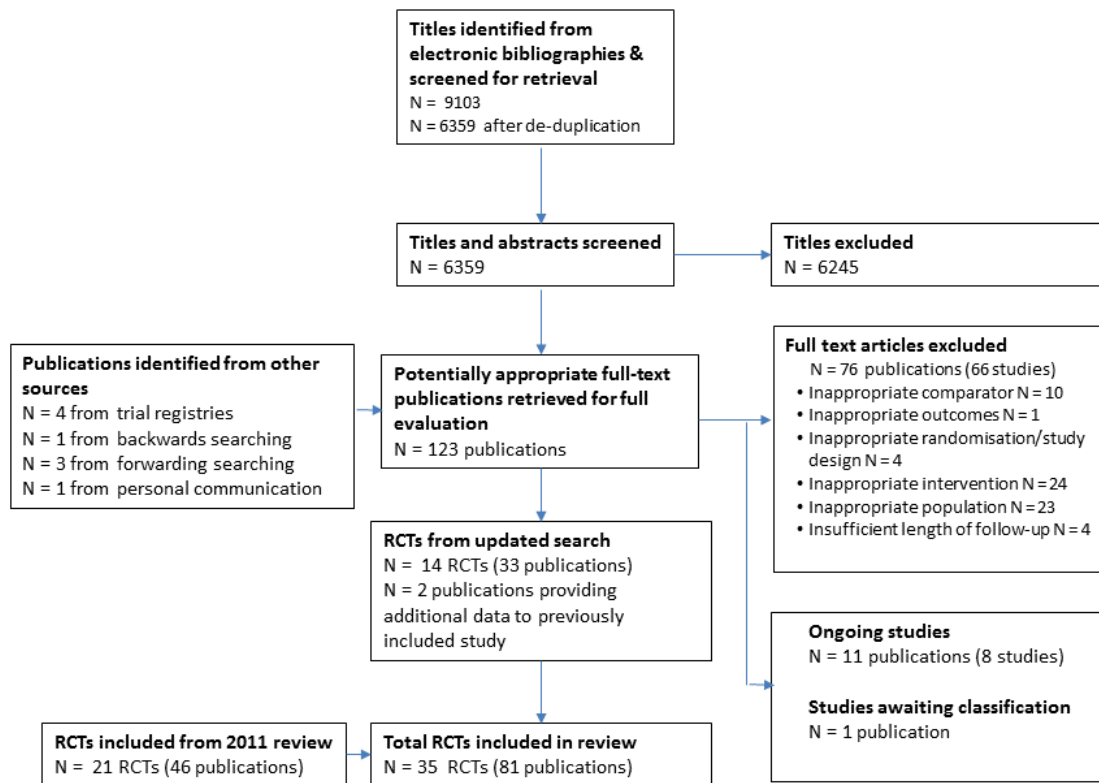
\*Denotes the core source of data where multiple publications are available for one trial

**Legend:** Reproduced from Richards *et al* (2017) Psychological interventions for coronary heart disease. *Cochrane Database Systematic Reviews*. 2017, 4 (Issue 4. Art. No.: CD002902).

**Supplementary table 2. Risk of bias scores for included studies**

	Low risk of bias n/N (%)	Unclear risk of bias n/N (%)	High risk of bias n/N (%)
Random sequence generation (selection bias)	16/35 (46)	17/35 (48)	2/35 (6)
Allocation concealment (selection bias)	15/35 (43)	18/35 (51)	2/35 (6)
Blinding of outcome assessment (detection bias)	16/35 (46)	18/35 (51)	1/35 (3)
Incomplete outcome data (attrition bias)	24/35 (69)	7/35 (20)	4/35 (11)
Selective reporting (reporting bias)	28/35 (80)	5/35 (14)	2/35 (6)
Groups balanced at baseline	30/35 (86)	0/35 (0)	5/35 (14)
Intention-to-treat analysis conducted	24/35 (69)	6/35 (17)	5/35 (14)
Groups received same treatment (apart from intervention)	23/35 (66)	6/35 (17)	6/35 (17)

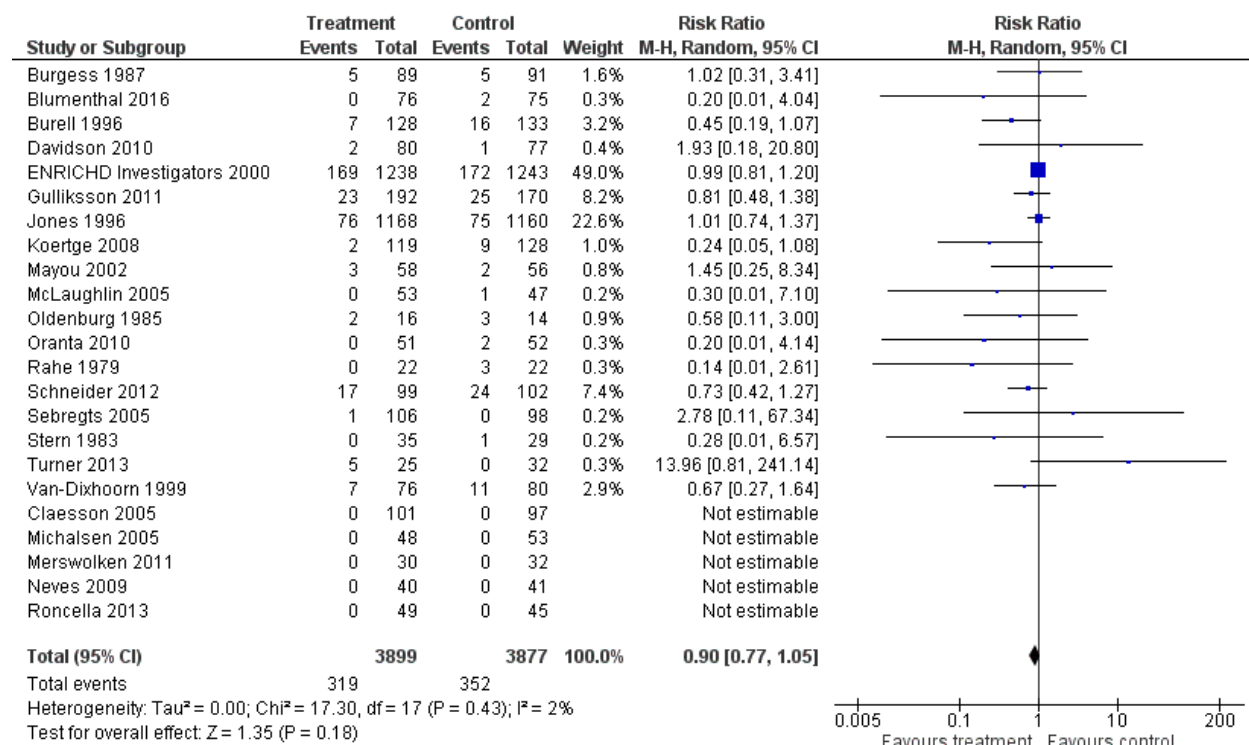
## Supplementary figure 1. PRISMA flow diagram



RCT, randomised controlled trial

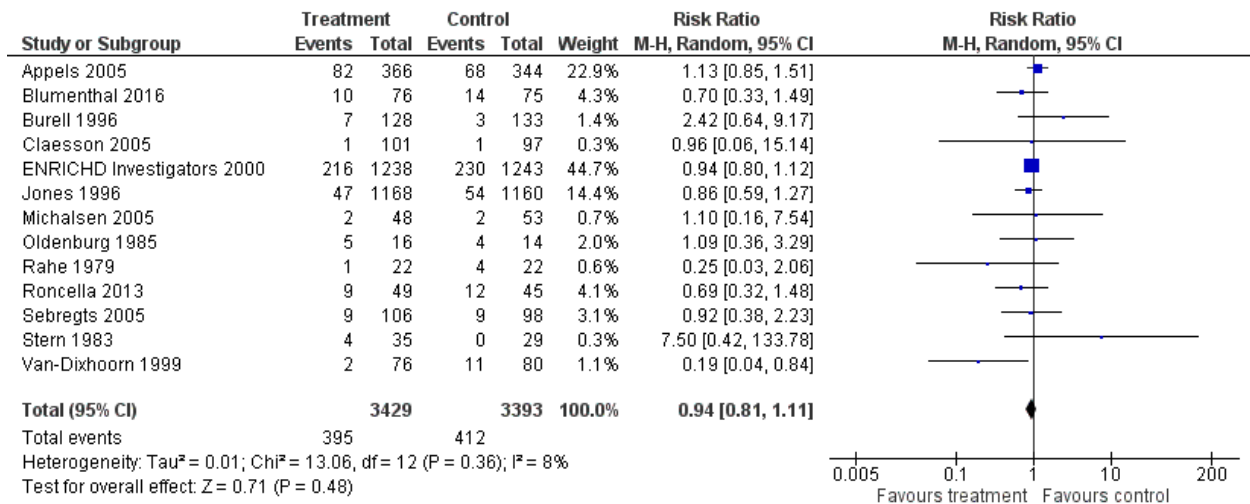
**Legend:** Reproduced from Richards *et al* (2017) Psychological interventions for coronary heart disease. Cochrane Database Systematic Reviews. 2017, 4 (Issue 4. Art. No.: CD002902).

## Supplementary figure 2. Forest plot of psychological intervention versus usual care: total mortality



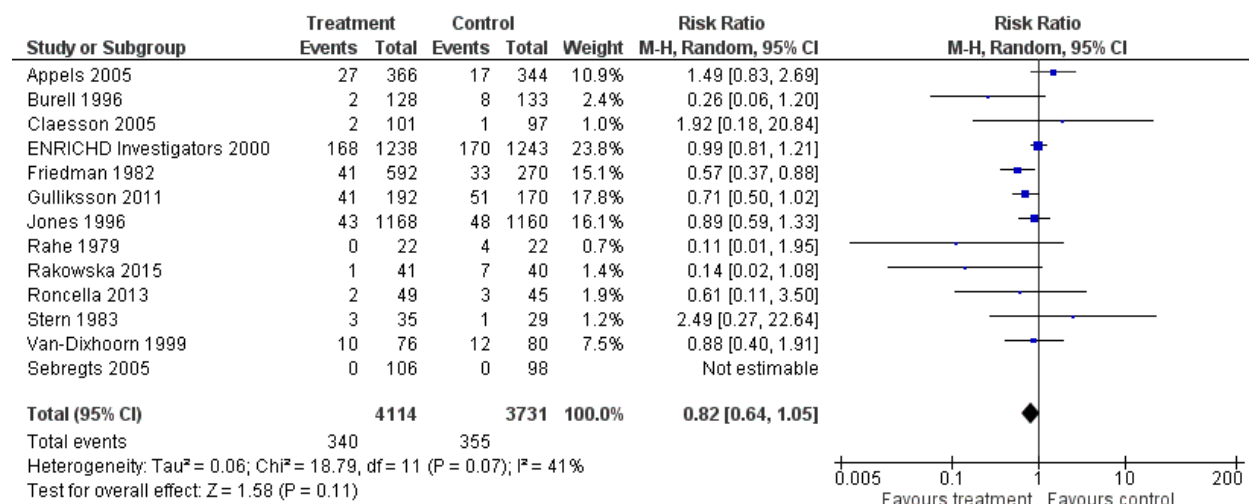
**Legend:** Reproduced from Richards *et al* (2017) Psychological interventions for coronary heart disease. Cochrane Database Systematic Reviews. 2017, 4 (Issue 4. Art. No.: CD002902).

### Supplementary figure 3. Forest plot of psychological intervention versus usual care: revascularisation procedures



**Legend:** Reproduced from Richards *et al* (2017) Psychological interventions for coronary heart disease. Cochrane Database Systematic Reviews. 2017, 4 (Issue 4. Art. No.: CD002902).

## Supplementary figure 4. Forest plot of psychological intervention versus usual care: non-fatal MI



**Legend:** Reproduced from Richards *et al* (2017) Psychological interventions for coronary heart disease. Cochrane Database Systematic Reviews. 2017, 4 (Issue 4. Art. No.: CD002902).

**Supplementary table 3. Health related quality of life scores at follow-up**

<b>Trial</b>	<b>Follow-up (months)</b>	<b>Measure</b>	<b>Scores at follow-up: intervention mean (SD) vs comparator mean (SD), P value</b>	<b>Between group difference</b>
Appels 2005	18	MacNew Questionnaire: Global Score	126.9 (27.4) vs 127.1 (25.8), P=NS	No difference
Claesson 2005	12	Swedish Quality of Life Scale	6.59 (2.95) vs 5.97 (3.15), P=NS	No difference
ENRICHD 2000	6	SF-12 PCS	* 0.8 (23.0), P=NS	No difference
ENRICHD 2000	6	SF-12 MCS	* 2.2 (18.3), P <0.05	Favours intervention
ENRICHD 2000	6	Life Satisfaction Scale	*1.0 (9.8), P <0.05	Favours intervention
ENRICHD 2000	6	Ladder of Life	* 0.3 (4.6), P <0.05	Favours intervention
Freedland 2009	9	SF-36: PCS	† Int1 37.6 (9.6); Int2 38.9 (9.7) vs 36.9 (10.6), P=NS	No difference
Freedland 2009	9	SF-36: MCS	† Int1 49.1 (12.2); Int2 47.8 (13.0) vs 42.4 (13.3), P=0.01	Favours intervention
Lie 2007	6	SAQ: Physical limitations	86.4 (15.6) vs 83.2 (18.7), P=NS	No difference
Lie 2007	6	SAQ: Disease perception	77.8 (20.2) vs 3.9 (24.2), P=NS	No difference
Lie 2007	6	SF-36: PCS	47.4 (9.6) vs 47.0 (10.0), P=NS	No difference
Lie 2007	6	SF-36: MCS	52.1 (10.7) vs 50.5 (10.8), P=NS	No difference
Mayou 2002	12	Dartmouth COOP	‡ 14 (13, 17) vs 15 (12.5, 21), P=NS	No difference
Michalsen 2005	12	SF-36: PCS	43.2 (9.2) vs 46.1 (9.3), P=NS	No difference
Michalsen 2005	12	SF-36: MCS	47.2 (9.2) vs 49.3 (10), P=NS	No difference
O'Neil 2015	12	SF-12: PCS	36.6 (10.5) vs 36.2 (10.5), P=Not reported	No difference
O'Neil 2015	12	SF-12: MCS	45.6 (9.3) vs 42.7 (11.1), P=NR	No difference
Rakowska 2015	30	SF-36: PCS	64.3 (5.2) vs 61.7 (4.8), P=0.04	Favours intervention
Rakowska 2015	30	SF-36: MCS	58.9 (5.9) vs 53.0 (2.2), P <0.01	Favours intervention
Roncella 2013	12	MacNew Questionnaire: Global Score	6.07 (5.48 - 6.39) vs 5.67 (4.89 - 6.31), P=0.07	No difference
Roncella 2013	12	MacNew Questionnaire: Emotional Score	5.79 (5.36, 6.35) vs 5.79 (5.0, 6.32), P=NS	No difference
Roncella 2013	12	MacNew Questionnaire: Physical Score	6.23 (5.70, 6.53) vs 5.69 (4.85, 6.29), P=0.03	Favours intervention
Roncella 2013	12	MacNew Questionnaire: Social Score	6.15 (5.69, 6.61) vs 5.86 (5.0, 6.46), P=0.06	No difference

\* Mean difference (SD)

† This trial compared 2 psychological interventions (Int1, Int2) with a comparator group

‡ Median (IQR) and p value from Mann Whitney U test

MCS = Mental Component Score, NS = Not significant ( $P > 0.05$ ), PCS = Physical Component Score, SAQ = Seattle Angina Questionnaire, SF = Short Form

**Legend:** Reproduced from Richards *et al* (2017) Psychological interventions for coronary heart disease. Cochrane Database Systematic Reviews. 2017, 4 (Issue 4. Art. No.: CD002902).



**Supplementary table 4. Meta-regression results for total-mortality, CV-mortality, depression and anxiety outcomes**

Potential explanatory variables*	Total-mortality exp(β) (SE) P value	CV-mortality exp(β) (SE) P value	Depression exp(β) (SE) P value	Anxiety exp(β) (SE) P value
Population targeted at baseline				
Psychological disorder (non-selected, present)	1.19 (0.18) 0.26	1.17 (0.30) 0.58	-0.20 (0.12) 0.10	-0.28 (0.11) 0.03
<i>Characteristics of psychological intervention</i>				
Mode of treatment (individual, group, mixed)	1.21 (0.18) 0.21	1.19 (0.32) 0.56	0.007 (0.09) 0.94	0.09 (0.09) 0.30
Family included in treatment	1.11 (0.19) 0.55	0.82 (0.09) 0.13	0.06 (0.14) 0.70	0.24 (0.12) 0.06
Cardiac risk factor education included	0.92 (0.14) 0.58	0.84 (0.24) 0.57	0.06 (0.13) 0.65	0.18 (0.13) 0.21
Intervention targeted behavioural change of cardiac risk factors	1.06 (0.16) 0.72	1.17 (0.49) 0.72	-0.16 (0.12) 0.20	-0.08 (0.17) 0.61
<i>Psychological treatment target</i>				
Depression	1.28 (0.25) 0.22	1.13 (0.31) 0.67	0.15 (0.13) 0.26	-0.04 (0.16) 0.83
Anxiety	1.22 (0.23) 0.31	1.13 (0.31) 0.67	0.18 (0.12) 0.17	0.05 (0.15) 0.78
Stress	1.28 (0.39) 0.43	1.24 (0.71) 0.72	0.13 (0.13) 0.35	0.18 (0.13) 0.20
Type A behaviour	0.98 (0.15) 0.89	1.02 (0.46) 0.95	-0.65 (0.14) 0.65	-01 (0.26) 0.97
<i>Psychological component</i>				
Relaxation training	1.15 (0.22) 0.47	1.27 (0.74) 0.70	-0.09 (0.13) 0.50	0.15 (0.14) 0.29
Stress management techniques	1.15 (0.25) 0.54	1.03 (0.46) 0.95	0.09 (0.13) 0.52	-0.03 (0.15) 0.87
Cognitive challenge/restructuring techniques	1.10 (0.17) 0.53	1.11 (0.40) 0.78	0.07 (0.14) 0.59	-0.16 (0.14) 0.29
Emotional support and/or client-led discussion	1.42 (0.25) 0.07	1.16 (0.30) 0.58	0.14 (0.13) 0.28	0.12 (0.14) 0.44
Adjunct pharmacology	2.08 (2.53) 0.56	0.82 (0.9) 0.13	-0.51 (0.15) 0.003	-0.12 (0.24) 0.65

\* Explanatory variables coded 'no' versus 'yes' unless specified otherwise above.