

Appendix 1 (as supplied by the authors): Search strategies for key questions (KQ)

Medline-OVID

Search Last Run August 28, 2013

1. exp obesity/
2. weight-gain/
3. weight-loss/
4. (obesity or obese).mp.
5. (weight gain or weight loss).mp.
6. (overweight or over weight or overeat* or over eat*).mp.
7. weight change*.mp.
8. ((bmi or body mass index) adj2 (gain or loss or change)).mp.
9. weight maintenance.mp.
10. or/1-9
11. limit 10 to "child (6 to 12 years)"
12. limit 10 to "adolescent (13 to 18 years)"
13. limit 10 to "preschool child (2 to 5 years)"
14. (child* or adolescen*).mp.
15. (teenage* or young people or young person or young adult*).mp.
16. (schoolchildren or school children).mp.
17. (pediatr* or paediatr*).ti,ab.
18. (boys or girls or youth or youths).mp.
19. or/11-18
20. exp behavior-therapy/
21. social support/
22. family-therapy/
23. exp psychotherapy-group/
24. ((psychological or behavior?r*) adj (therapy or modif* or strateg* or intervention*)).mp.
25. (group therapy or cognitive therapy or family therapy).mp.
26. ((lifestyle or life style) adj (chang* or intervention*)).mp.
27. counsel?ing.mp.
28. (peer adj2 support).mp.
29. ((child* adj3 parent*) and therapy).mp.
30. social support.mp.
31. or/20-30
32. exp obesity/dt
33. exp anti-obesity agents/
34. lipase inhibitor*.mp.
35. (orlistat or xenical or tetrahydrolipstatin).mp.
36. (appetite adj (suppressant* or depressant*)).mp.
37. sibutramine.mp. or meridia.ti,ab.
38. (dexfenfluramine or fenfluramine or phentermine).mp.
39. bulking agent\$.mp.
40. (methylcellulose or celevac).mp.

41. ((antiobesity or anti obesity) adj (drug\$ or agent\$)).mp.
42. guar gum.mp.
43. (metformin or glucophage).mp.
44. (fluoxetine or prozac).mp.
45. (Sertraline or zoloft).mp.
46. Diethylpropion.mp.
47. zonisamide.mp.
48. topiramate.mp.
49. (Octreotide or somatostatin or sandostatin).mp.
50. (Amantadine or symmetrel).mp.
51. (Glucagon-Like Peptide 1 or glp-1).mp.
52. (rimonabant or acomplia).mp.
53. (SLV 319 or SLV319).mp.
54. exenatide.mp.
55. liraglutide.mp.
56. vildagliptin.mp.
57. sitagliptin.mp.
58. (qnexa or contrave or excalia).mp.
59. exp OBESITY/dh [Diet Therapy]
60. "Diet-Fat-Restricted"/
61. "Diet-Reducing"/
62. "Diet-Therapy"/
63. "Fasting"/
64. (diet or diets or dieting).mp.
65. (diet\$ adj (modif\$ or therapy or intervention\$ or strateg\$)).mp.
66. (low calorie or calorie control\$ or healthy eating).mp.
67. (fasting or modified fast\$).mp.
68. exp "Dietary-Fats"/
69. (fruit or vegetable\$).mp.
70. (high fat\$ or low fat\$ or fatty food\$).mp.
71. formula diet\$.mp.
72. or/59-71
73. "Exercise"/
74. "Exercise-Therapy"/
75. exercis\$.mp.
76. (aerobics or physical therapy or physical activity or physical inactivity).mp.
77. (fitness adj (class\$ or regime\$ or program\$)).mp.
78. (physical training or physical education).mp.
79. dance therapy.mp.
80. sedentary behavior reduction.mp.
81. or/73-80
82. exp OBESITY/su [Surgery]
83. "Surgical-Staplers"/
84. "Surgical-Stapling"/
85. "Lipectomy"/

86. "Gastric-Bypass"/
87. "Gastroplasty"/
88. (dental splinting or jaw wiring).mp.
89. (gastroplasty or gastric band\$ or gastric bypass).mp.
90. (intragastric balloon\$ or vertical band\$).mp.
91. (stomach adj (staple\$ or band\$ or bypass)).mp.
92. biliopancreatic diversion\$.mp.
93. liposuction.mp.
94. or/82-93
95. exp "Alternative-Medicine"/
96. (alternative medicine or complementary therap\$ or complementary medicine).mp.
97. (hypnotism or hypnosis or hypnotherapy).mp.
98. (acupuncture or homeopathy).mp.
99. (chinese medicine or indian medicine or herbal medicine or ayurvedic).mp.
100. or/95-99
101. ((diet or dieting or slim\$) adj (club\$ or organi?ation\$)).mp.
102. (weightwatcher\$ or weight watcher\$).mp.
103. (correspondence adj (course\$ or program\$)).mp.
104. (fat camp\$ or diet\$ camp\$).mp.
105. or/101-104
106. (family intervention\$ or parent\$ intervention\$).mp.
107. (parent\$ adj2 (behavio?r or involve\$ or control\$ or attitude\$ or educat\$)).mp.
108. or/106-107
109. (systematic\$ review\$ or systematic\$ overview\$).mp.
110. (quantitative\$ review\$ or quantitative\$ overview\$).mp.
111. Evidence-Based Medicine/
112. evidence based review\$.mp.
113. exp clinical trial/
114. exp "Research-Design"/
115. ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj5 (blind\$ or mask\$)).mp.
116. (CONTROLLED-CLINICAL-TRIAL or RANDOMIZED CONTROLLED TRIAL or META-ANALYSIS).pt.
117. (control\$ and (trial\$ or stud\$ or evaluation\$ or experiment\$)).ti,ab.
118. (comparison group\$ or control group\$).mp.
119. random\$.ti,ab.
120. matched pairs.mp.
121. (outcome study or outcome studies).mp.
122. (quasiexperimental or quasi experimental or pseudo experimental).mp.
123. (nonrandomi?ed or non randomi?ed or pseudo randomi?ed).mp.
124. cohort studies/
125. (cohort adj (study or studies)).ti,ab.
126. cohort analys\$.ti,ab.
127. case series.ti,ab.
128. longitudinal studies/
129. longitudinal\$.ti,ab.

130. follow-up studies/
131. (follow up adj (study or studies)).ti,ab.
132. prospective studies/
133. prospective\$.ti,ab.
134. or/109-133
135. 10 and 19
136. or/32-58
137. 134 and 135 and 136
138. limit 137 to ed=20080610-20130828
139. 31 or 35 or 37 or 72 or 81 or 94 or 100 or 105 or 108
140. 134 and 135 and 139
141. limit 140 to ed=20080610-20130828
142. 138 or 141
143. animals/ not humans/
144. 142 not 143
145. limit 144 to (english or french)

Embase-OVID

Search Last Run August 28, 2013

1. exp obesity/
2. weight gain/
3. weight reduction/
4. (obesity or obese).mp.
5. (weight gain or weight loss).mp.
6. (overweight or over weight or overeat* or over eat*).mp.
7. weight change*.mp.
8. ((bmi or body mass index) adj2 (gain or loss or change)).mp.
9. weight maintenance.mp.
10. or/1-9
11. limit 10 to school child <7 to 12 years>
12. limit 10 to adolescent <13 to 17 years>
13. limit 10 to (child or preschool child <1 to 6 years>)
14. (child* or adolescen*).mp.
15. (teenage* or young people or young person or young adult*).mp.
16. (schoolchildren or school children).mp.
17. (pediatr* or paediatr*).ti,ab.
18. (boys or girls or youth or youths).mp.
19. or/11-18
20. exp behavior therapy/
21. social support/
22. family therapy/
23. group therapy/
24. ((psychological or behavio?r*) adj (therapy or modif* or strateg* or intervention*)).mp.
25. (group therapy or cognitive therapy or family therapy).mp.
26. ((lifestyle or life style) adj (chang* or intervention*)).mp.

27. counsel?ing.mp.
28. social support.mp.
29. (peer adj2 support).mp.
30. ((child* adj3 parent*) and therapy).mp.
31. exp obesity/dt
32. antiobesity agent/
33. lipase inhibitor*.mp.
34. (orlistat or xenical or tetrahydrolipstatin).mp.
35. (appetite adj (suppressant* or depressant*)).mp.
36. sibutramine.mp. or meridia.ti,ab.
37. (dexfenfluramine or fenfluramine or phentermine).mp.
38. bulking agent\$.mp.
39. (methylcellulose or celevac).mp.
40. ((antiobesity or anti obesity) adj (drug\$ or agent\$)).mp.
41. guar gum.mp.
42. (metformin or glucophage).mp.
43. (fluoxetine or prozac).mp.
44. (Sertraline or zoloft).mp.
45. Diethylpropion.mp.
46. zonisamide.mp.
47. (Octreotide or somatostatin or sandostatin).mp.
48. (Amantadine or symmetrel).mp.
49. (Glucagon-Like Peptide 1 or glp-1).mp.
50. (rimonabant or acomplia).mp.
51. (SLV 319 or SLV319).mp.
52. exenatide.mp.
53. liraglutide.mp.
54. vildagliptin.mp.
55. sitagliptin.mp.
56. (qnexa or contrave or excalia).mp.
57. exp diet therapy/
58. (diet or diets or dieting).mp.
59. (diet\$ adj (modif\$ or therapy or intervention\$ or strateg\$)).mp.
60. (low calorie or calorie control\$ or healthy eating).mp.
61. (fasting or modified fast\$).mp.
62. exp fat intake/
63. exp edible oil/
64. (fruit? or vegetables).mp.
65. (high fat\$ or low fat\$ or fatty food\$).mp.
66. formula diet\$.mp.
67. or/57-66
68. exp exercise/
69. exercis\$.mp.
70. (aerobics or physical therapy or physical activity or physical inactivity).mp.
71. (fitness adj (class\$ or regime\$ or program\$)).mp.

72. (physical training or physical education).mp.
73. dance therapy.mp.
74. sedentary behavior reduction.mp.
75. or/68-74
76. exp OBESITY/su [Surgery]
77. stapler/
78. surgical stapling/
79. lipectomy/
80. stomach bypass/
81. gastroplasty/
82. (dental splinting or jaw wiring).mp.
83. (gastroplasty or gastric band\$ or gastric bypass).mp.
84. (intragastric balloon\$ or vertical band\$).mp.
85. (stomach adj (staple\$ or band\$ or bypass)).mp.
86. exp bariatric surgery/
87. biliopancreatic diversion\$.mp.
88. liposuction.mp.
89. or/76-88
90. exp alternative medicine/
91. (alternative medicine or complementary therapy\$ or complementary medicine).mp.
92. (hypnotism or hypnosis or hypnotherapy).mp.
93. (acupuncture or homeopathy).mp.
94. (chinese medicine or indian medicine or herbal medicine or ayurvedic).mp.
95. or/90-94
96. ((diet or dieting or slim\$) adj (club\$ or organization\$)).mp.
97. (weightwatcher\$ or weight watcher\$).mp.
98. (correspondence adj (course\$ or program\$)).mp.
99. (fat camp\$ or diet\$ camp\$).mp.
100. or/96-99
101. (family intervention\$ or parent\$ intervention\$).mp.
102. (parent\$ adj2 (behavior\$ or involve\$ or control\$ or attitude\$ or education\$)).mp.
103. or/100-101
104. evidence based medicine/ or meta analysis/ or "systematic review"/
105. (systematic\$ review\$ or systematic\$ overview\$).mp.
106. (quantitative\$ review\$ or quantitative\$ overview\$).mp.
107. evidence based review\$.mp.
108. exp "clinical trial (topic)"/
109. ((single\$ or double\$ or triple\$ or quadruple\$) adj5 (blind\$ or mask\$)).mp.
110. (control\$ and (trial\$ or study\$ or evaluation\$ or experiment\$)).ti,ab.
111. (comparison group\$ or control group\$).mp.
112. random\$.ti,ab.
113. matched pairs.mp.
114. (outcome study or outcome studies).mp.
115. (quasiexperimental or quasi experimental or pseudo experimental).mp.
116. (nonrandomized or non randomized or pseudo randomized).mp.

117. cohort analysis/
118. (cohort adj (study or studies)).ti,ab.
119. cohort analys\$.ti,ab.
120. case series.ti,ab.
121. longitudinal study/
122. longitudinal\$.ti,ab.
123. follow up/
124. (follow up adj (study or studies)).ti,ab.
125. prospective study/
126. prospective\$.ti,ab.
127. or/104-126
128. 10 and 19
129. or/31-56
130. 10 and 19
131. 31 or 32 or 33 or 35 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 or 54 or 55 or 56
132. 129 and 130 and 131
133. 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30
134. 34 or 36 or 67 or 75 or 89 or 95 or 100 or 103 or 133
135. 129 and 130 and 134
136. 132 or 135
137. limit 136 to (english or french)
138. limit 137 to em="200816-201334"

PsycINFO-OVID

Search Last Run August 28, 2013

1. overweight/ or obesity/
2. weight loss/ or weight control/
3. exp Weight Gain/
4. (obesity or obese).mp.
5. (weight gain or weight loss).mp.
6. (overweight or over weight or overeat* or over eat*).mp.
7. weight change*.mp.
8. ((bmi or body mass index) adj2 (gain or loss or change)).mp.
9. weight maintenance.mp.
10. or/1-9
11. limit 10 to (100 childhood or 120 neonatal or 140 infancy or 160 preschool age or 180 school age or 200 adolescence)
12. (child* or adolescen*).mp.
13. (teenage* or young people or young person or young adult*).mp.
14. (schoolchildren or school children).mp.
15. (pediatr* or paediatr*).ti,ab.
16. (boys or girls or youth or youths).mp.
17. or/11-16
18. exp behavior therapy/

19. behavior modification/
20. support groups/ or social support/
21. family therapy/
22. exp group psychotherapy/
23. ((psychological or behavior?) adj (therapy or modif* or strateg* or intervention*))).mp.
24. (group therapy or cognitive therapy or family therapy).mp.
25. ((lifestyle or life style) adj (chang* or intervention* or modification*))).mp.
26. counsel?ing.mp.
27. (peer adj2 support).mp.
28. ((child adj3 parent) and therapy).mp.
29. social support.mp.
30. or/18-29
31. exp appetite depressing drugs/
32. lipase inhibitor*.mp.
33. (orlistat or xenical or tetrahydrolipstatin).mp.
34. (appetite adj (suppressant* or depressant*))).mp.
35. sibutramine.mp. or meridia.ti,ab.
36. (dexfenfluramine or fenfluramine or phentermine).mp.
37. bulking agent\$.mp.
38. (methylcellulose or celevac).mp.
39. ((antiobesity or anti obesity) adj (drug\$ or agent\$)).mp.
40. guar gum.mp.
41. (metformin or glucophage).mp.
42. (fluoxetine or prozac).mp.
43. (Sertraline or zoloft).mp.
44. Diethylpropion.mp.
45. zonisamide.mp.
46. topiramate.mp.
47. (Octreotide or somatostatin or sandostatin).mp.
48. (Amantadine or symmetrel).mp.
49. (Glucagon-Like Peptide 1 or glp-1).mp.
50. (rimonabant or acomplia).mp.
51. (SLV 319 or SLV319).mp.
52. exenatide.mp.
53. liraglutide.mp.
54. vildagliptin.mp.
55. sitagliptin.mp.
56. (qnexa or contrave or excalia).mp.
57. diets/ or dietary restraint/
58. diet therapy.mp.
59. Food Deprivation/
60. (diet or diets or dieting).mp.
61. (diet* adj (modif* or therapy or intervention* or strateg*)).ti,ab.
62. (low calorie or calorie control* or healthy eating).mp.
63. (fasting or modified fast*).mp.

64. dietary fats.mp.
65. (fruit or vegetable*).mp.
66. (high fat* or low fat* or fatty food*).mp.
67. formula diet*.mp.
68. or/57-67
69. bariatric surgery/
70. surgical stapl*.mp.
71. lipectomy.mp.
72. gastric bypass.mp.
73. gastroplasty.mp.
74. (dental splinting or jaw wiring).mp.
75. gastric band.mp.
76. (intragastric balloon* or vertical band*).mp.
77. (stomach adj (stapl* or band* or bypass*)).mp.
78. biliopancreatic diversion*.mp.
79. liposuction.mp.
80. or/69-79
81. exp alternative medicine/ or holistic health/ or exp hypnotherapy/
82. (alternative medicine or complementary therap* or complementary medicine).mp.
83. (hypnotism or hypnosis or hypnotherapy).mp.
84. (acupuncture or homeopathy).mp.
85. (chinese medicine or indian medicine or herbal medicine or ayurvedic).mp.
86. or/81-85
87. ((diet or dieting or slim*) adj (club* or organization or program*)).mp.
88. (weightwatcher* or weight watcher* or TOPS or commerical weightloss or commerical weight loss).tw.
89. (fat camp* or diet camp*).mp.
90. 87 or 89
91. (family intervention* or parent* intervention*).mp.
92. (parent* adj2 (behavio?r or involve* or control* or attitude* or educat*)).mp.
93. 91 or 92
94. (systematic* review* or systematic* overview*).mp.
95. (quantitative* review* or quantitative* overview*).mp.
96. evidence based practice/
97. evidence based review*.mp.
98. clinical trials/
99. exp experimental design/
100. ((singl* or doubl* or treb* or tripl*) adj5 (blind* or mask*)).mp.
101. (CONTROLLED-CLINICAL-TRIAL or RANDOMIZED CONTROLLED TRIAL or META-ANALYSIS).pt.
102. (CONTROLLED-CLINICAL-TRIAL or RANDOMI?ED CONTROLLED TRIAL or META-ANALYSIS).mp.
103. (control* and (trial* or stud* or evaluation* or experiment*)).mp.
104. (comparison group* or control group*).mp.
105. random*.ti,ab.

106. matched pairs.mp.
107. (outcome study or outcome studies).mp.
108. (quasiexperimental or quasi experimental or pseudo experimental).mp.
109. (nonrandomi?ed or non ramdomi?ed or pseudo randomi?ed).mp.
110. cohort analysis/
111. (cohort adj (study or studies)).ti,ab.
112. cohort analys*.ti,ab.
113. case series.ti,ab.
114. exp longitudinal studies/
115. longitudinal*.ti,ab.
116. followup studies/
117. ((follow-up or followup) adj (study or studies)).ti,ab.
118. prospective\$.ti,ab.
119. or/94-118
120. 10 and 17
121. or/31-56
122. 119 and 120 and 121
123. physical activity/ or exp exercise/ or active living/ or activity level/ or exp health behavior/
or exp locomotion/ or physical fitness/
124. exercise*.mp.
125. (aerobics or physical therapy or physical activity or physical inactivity).mp.
126. (fitness adj (class* or regime* or program*)).mp.
127. (physical training or physical education).mp.
128. dance therapy.mp.
129. sedentary behavior?r.mp.
130. or/123-129
131. 30 or 33 or 35 or 68 or 80 or 86 or 90 or 93 or 130
132. 119 and 120 and 131
133. 130 or 132
134. limit 133 to human
135. limit 134 to english language
136. 122 or 132
137. limit 136 to human
138. limit 137 to english language
139. limit 138 to up=20080610-20130828

Cochrane Central-OVID

Search Last Run August 28, 2013

1. exp obesity/
2. weight-gain/
3. weight-loss/
4. (obesity or obese).mp.
5. (weight gain or weight loss).mp.
6. (overweight or over weight or overeat* or over eat*).mp.
7. weight change*.mp.

8. ((bmi or body mass index) adj2 (gain or loss or change)).mp.
9. weight maintenance.mp.
10. or/1-9
11. limit 10 to "child (6 to 12 years)"
12. limit 10 to "adolescent (13 to 18 years)"
13. limit 10 to "preschool child (2 to 5 years)"
14. (child* or adolescen*).mp.
15. (teenage* or young people or young person or young adult*).mp.
16. (schoolchildren or school children).mp.
17. (pediatr* or paediatr*).ti,ab.
18. (boys or girls or youth or youths).mp.
19. or/11-18
20. exp behavior-therapy/
21. social support/
22. family-therapy/
23. exp psychotherapy-group/
24. ((psychological or behavior?r*) adj (therapy or modif* or strateg* or intervention*)).mp.
25. (group therapy or cognitive therapy or family therapy).mp.
26. ((lifestyle or life style) adj (chang* or intervention*)).mp.
27. counsel?ing.mp.
28. (peer adj2 support).mp.
29. ((child* adj3 parent*) and therapy).mp.
30. social support.mp.
31. or/20-30
32. exp obesity/dt
33. exp anti-obesity agents/
34. lipase inhibitor*.mp.
35. (orlistat or xenical or tetrahydrolipstatin).mp.
36. (appetite adj (suppressant* or depressant*)).mp.
37. sibutramine.mp. or meridia.ti,ab.
38. (dexfenfluramine or fenfluramine or phentermine).mp.
39. bulking agent\$.mp.
40. (methylcellulose or celevac).mp.
41. ((antiobesity or anti obesity) adj (drug\$ or agent\$)).mp.
42. guar gum.mp.
43. (metformin or glucophage).mp.
44. (fluoxetine or prozac).mp.
45. (Sertraline or zoloft).mp.
46. Diethylpropion.mp.
47. zonisamide.mp.
48. topiramate.mp.
49. (Octreotide or somatostatin or sandostatin).mp.
50. (Amantadine or symmetrel).mp.
51. (Glucagon-Like Peptide 1 or glp-1).mp.
52. (rimonabant or acomplia).mp.

53. (SLV 319 or SLV319).mp.
54. exenatide.mp.
55. liraglutide.mp.
56. vildagliptin.mp.
57. sitagliptin.mp.
58. (qnexa or contrave or excalia).mp.
59. exp OBESITY/dh [Diet Therapy]
60. "Diet-Fat-Restricted"/
61. "Diet-Reducing"/
62. "Diet-Therapy"/
63. "Fasting"/
64. (diet or diets or dieting).mp.
65. (diet\$ adj (modif\$ or therapy or intervention\$ or strateg\$)).mp.
66. (low calorie or calorie control\$ or healthy eating).mp.
67. (fasting or modified fast\$).mp.
68. exp "Dietary-Fats"/
69. (fruit or vegetable\$).mp.
70. (high fat\$ or low fat\$ or fatty food\$).mp.
71. formula diet\$.mp.
72. or/59-71
73. "Exercise"/
74. "Exercise-Therapy"/
75. exercis\$.mp.
76. (aerobics or physical therapy or physical activity or physical inactivity).mp.
77. (fitness adj (class\$ or regime\$ or program\$)).mp.
78. (physical training or physical education).mp.
79. dance therapy.mp.
80. sedentary behavior reduction.mp.
81. or/73-80
82. exp OBESITY/su [Surgery]
83. "Surgical-Staplers"/
84. "Surgical-Stapling"/
85. "Lipectomy"/
86. "Gastric-Bypass"/
87. "Gastroplasty"/
88. (dental splinting or jaw wiring).mp.
89. (gastroplasty or gastric band\$ or gastric bypass).mp.
90. (intra gastric balloon\$ or vertical band\$).mp.
91. (stomach adj (staple\$ or band\$ or bypass)).mp.
92. biliopancreatic diversion\$.mp.
93. liposuction.mp.
94. or/82-93
95. exp "Alternative-Medicine"/
96. (alternative medicine or complementary therapy\$ or complementary medicine).mp.
97. (hypnotism or hypnosis or hypnotherapy).mp.

98. (acupuncture or homeopathy).mp.
99. (chinese medicine or indian medicine or herbal medicine or ayurvedic).mp.
100. or/95-99
101. ((diet or dieting or slim\$) adj (club\$ or organi?ation\$)).mp.
102. (weightwatcher\$ or weight watcher\$).mp.
103. (correspondence adj (course\$ or program\$)).mp.
104. (fat camp\$ or diet\$ camp\$).mp.
105. or/101-104
106. (family intervention\$ or parent\$ intervention\$).mp.
107. (parent\$ adj2 (behavio?r or involve\$ or control\$ or attitude\$ or educat\$)).mp.
108. or/106-107
109. 10 and 19
110. or/32-58
111. 31 or 35 or 37 or 72 or 81 or 94 or 100 or 105 or 108
112. 10 and 19 and 111
113. limit 112 to yr="2008 - 2013"