

# **Best Evidence Summaries of Topics in Mental Healthcare**

# BEST in MH clinical question-answering service

#### Question

In adults who are overweight, how effective is Cognitive Behavioural Therapy (CBT) compared to other weight management interventions, in improving patient outcomes?

#### Clarification of question using PICO structure

Patients: Adults who are overweight

Intervention: Cognitive Behavioural Therapy Comparator: Standard weight management Outcome: Improving patient outcomes

#### Plain language summary

There is limited available evidence on cognitive behavioural therapy for overweight adults. More high quality research is needed in this area to adequately assess the effectiveness of CBT in comparison to weight management interventions for improving patient outcomes.

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#### Clinical and research implications

The available evidence about the effectiveness of cognitive behavioural therapy (CBT) for overweight and obesity is limited. There is some evidence to suggest that adding CBT to diet or exercise programs may result in small, but statistically significant increases in weight loss relative to diet and exercise alone. These benefits were measured at six months or less post-treatment. Studies comparing CBT alone to behavioural therapy or a dietary intervention indicate no difference in effectiveness. The only study to investigate long-term maintenance of weight loss found that weight loss associated with psychological interventions was reversed by three year follow-up.

Further studies are required to confirm the effectiveness of adding CBT interventions to diet and exercise programmes and to assess whether any weight loss achieved by such combined interventions is sustained over the long-term. There is currently very little evidence about the effectiveness of CBT alone compared to other weight loss interventions, or about the effectiveness of group versus individual interventions. Future studies should include both male and female participants, as the majority of the current evidence is derived from women only or majority women studies.

#### What does the evidence say?

#### Number of included studies/reviews (number of participants)

We identified one systematic review¹ and four additional randomised controlled trials (RCTs), <sup>2,3,4,5</sup> which were considered potentially relevant to this evidence summary. The systematic review assessed the effectiveness of psychological interventions for people who are overweight or obese and included 36 studies, however, only four studies compared the effectiveness of cognitive behavioural therapy (CBT) to another weight loss intervention; only these four studies were considered relevant to this evidence summary.¹ Of the four additional RCTs, one assessed the effects of adding CBT to an exercise programme,² one compared group CBT to an individualised dietician intervention,³ one compared the long-term (three year) effects of CBT behavioural therapy and group self-help,⁴ and one compared the effects of CBT and three other psychological interventions added to exercise and diet.⁵ Three of the RCTs included only female participants,²,4,5 and the remaining RCT included 71% females.³ The systematic review and all four additional RCTs reported weight loss and/or BMI change, and three RCTs also reported one or more psychological outcome measures.²,3,4

#### **Main findings**

The summary estimate from two of the four RCTs included in the systematic review indicated that adding CBT to diet/exercise results in greater weight loss; participants in the CBT + diet/exercise group lost a mean of 4.9kg (95% CI: 2.4 to 7.3) more than those who received diet/exercise alone, with outcomes measured at 3 to 4 months. This observation was supported by one additional RCT, where participants in the exercise + CBT group lost a mean of 2.73 kg, compared to 0.5 kg for those in the exercise control group, at six months follow-up. This trial also reported significant improvements in percentage body fat and psychological outcome measures of body satisfaction (BASS), physical self-concept (PSC) and exercise self-efficacy (ESE) in the CBT + exercise group, compared to no change in the exercise control group. The study that compared four different psychological outcomes, in addition to diet and exercise, found that all four interventions (including

CBT) resulted in reductions in BMI from baseline to post-treatment, however, none of the interventions were compared to each other or to diet and exercise alone. One study in the systematic review and one additional RCT compared CBT to behavioural therapy. And the systematic review found that participants in the CBT group lost more weight by six months than those in the behavioural therapy group (mean 7±1.96 versus 4.5±2.6) and this difference in weight loss was increased at 12 months, however, the study included only 24 participants and no detailed description of the interventions was provided. The additional RCT investigated maintenance of weight loss over the long-term (up to three years) and found that, whilst both CBT and behavioural therapy were associated with greater weight loss during treatment than the group self-help control, almost study participants had re-gained the weight lost by the three year follow-up. The final RCT compared group CBT to individualised dietician intervention and found no significant differences in physiological or psychological outcomes between the two groups.

#### **Authors conclusions**

Shaw 2005 – The authors concluded that people who are overweight or obese benefit from psychological interventions, particularly behavioural and cognitive-behavioural strategies, to enhance weight reduction. They further noted that these interventions are predominantly useful when combined with dietary and exercise strategies.

Annesi 2010 - Improvements on all measures were greatest in the CBT support condition. Improvement in BASS score was better predicted by changes in the two psychological measures than by physiological changes.

Ash 2006 - A cognitive behaviour-based lifestyle intervention was more effective than control and as effective as intensive individualised dietetic intervention in weight loss and improvements in self-efficacy.

Cooper 2010 – The authors concluded that their findings support to the idea that obesity is resistant to psychological methods of treatment, if anything other than a short-term perspective is taken.

Heris 2013 – The authors concluded that adding psychological interventions to dietary plans and regular physical activities in overweight management would be useful in optimising physiological outcomes. However, it should be noted that they did not present any data comparing psychological interventions plus diet and physical activity to diet and physical activity alone.

#### Reliability of conclusions/Strength of evidence

The evidence in this summary is derived from one high quality Cochrane systematic review and four additional RCTs, all of which had significant methodological weaknesses. The majority of the studies included in the systematic review were not considered relevant to this summary because they did not assess the effectiveness of CBT compared to other weight loss interventions; only 4 of the 36 included studies have contributed to this summary. The majority of the evidence in this summary relates to the effectiveness of CBT combined with diet or exercise, meaning that the comparative effectiveness of CBT interventions alone remains uncertain. Finally, studies were generally

conducted in female or majority female populations, and findings may therefore have limited applicability to the general population.

#### What do guidelines say?

NICE guidelines (CG189: pp20-21) do not comment specifically on CBT but make the following recommendations for any behavioural intervention for treating overweight adults:

Deliver any behavioural intervention with the support of an appropriately trained professional. Include the following strategies in behavioural interventions for adults, as appropriate:

- self-monitoring of behaviour and progress
- stimulus control
- goal setting
- slowing rate of eating
- ensuring social support
- problem solving
- assertiveness
- cognitive restructuring (modifying thoughts)
- reinforcement of changes
- relapse prevention
- Strategies for dealing with weight regain.

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#### References

#### Systematic reviews

1. Shaw KA, O'Rourke P, Del Mar C, Kenardy J. Psychological interventions for overweight or obesity. *Cochrane Database of Systematic Reviews* 2005, Issue 2.

#### Randomised controlled trials

- 2. Annesi, J. J. (2010). Relations of changes in self-regulatory efficacy and physical self-concept with improvements in body satisfaction in obese women initiating exercise with cognitive-behavioral support. *Body Image*, 7(4), 356-359.
- 3. Ash, S., Reeves, M., Bauer, J., Dover, T., Vivanti, A., Leong, C., ... & Capra, S. (2006). A randomised control trial comparing lifestyle groups, individual counselling and written information in the management of weight and health outcomes over 12 months. *International journal of obesity*, 30(10), 1557-1564.
- 4. Cooper, Z., Doll, H. A., Hawker, D. M., Byrne, S., Bonner, G., Eeley, E., ... & Fairburn, C. G. (2010). Testing a new cognitive behavioural treatment for obesity: A randomized controlled trial with three-year follow-up. *Behaviour research and therapy*, 48(8), 706-713.

5. Heris, M. A., Alipour, A., Janbozorgi, M., Hajihosseini, R., Shaghaghi, F., Golchin, N., & Nouhi, S. (2013). Lipid profile improvement after four group psychological interventions in combination to nutritional and physical activity instructing among overweight and obese individuals. *Iranian journal of public health*, *42*(1), 86.

#### Guidelines

National Institute for Clinical Excellence. Obesity: identification, assessment and Management. CG189. UK:NICE

https://www.nice.org.uk/guidance/cg189/resources/obesity-identification-assessment-and-management-35109821097925

Results

# Systematic reviews

Author	Search	Inclusion criteria	Number	Summary of results	Risk of bias
(year)	date		of		
			included		
			studies		
Shaw et al.	June	Participants: Adults (18 years or older) who were	n=36	This systematic review aimed to assess the	The research
(2005)	2003	overweight or obese by any measure (e.g. BMI,	studies;	effectiveness of psychological interventions	question was
		waist measurement, waist-to-hip ratio).	n=4	for achieving sustained weight loss in people	clearly stated and
		Intervention: Individual or group psychological	studies	who are overweight or obese.	appropriate
		interventions for overweight or obesity	relevant		inclusion criteria
		Comparator: Control, another psychological	to this	Four of the 36 studies included in the review	were defined.
		intervention, or diet/exercise	evidence	compared cognitive behavioural therapy to	
		Outcome: Weight or other indicator of body mass,	summary	another weight loss intervention and hence	Five bibliographic
		morbidity, quality of life, measures of		were considered relevant to this evidence	databases were
		psychological functioning, biochemical measures		summary.	searched without
		Study design: Randomised controlled trials (RCTs)			language
				Two studies, with a total of 63 participants,	restrictions. The
				compared CBT with diet/exercise to	bibliographies of
				diet/exercise alone. The duration of the	retrieved articles
				interventions in the two studies was 10	were screened for
				weeks and 4 months. A meta-analysis	additional studies.
				indicated that participants in the CBT +	
				diet/exercise group lost a mean of 4.9kg	The review
				(95% CI: 2.4 to 7.3) more than those who	methods included
				received diet/exercise alone.	measures to

			minimise error and
		One study, with 24 participants, compared	bias and the
		CBT with behavioural therapy. Participants in	methodological
		the CBT group lost more weight by six	quality of included
		months than those in the behavioural	studies was
		therapy group (mean 7±1.96 versus 4.5±2.6);	assessed using
		the difference in weight loss was increased	published criteria.
		at 12 months.	
			Appropriate
		One study, with 70 participants, compared	methods of
		CBT with diet/exercise to CBT alone.	synthesis were
		Participants in the CBT + diet/exercise group	used.
		lost a mean of 1.9±0.6 kg by three months	
		follow-up, where as participants in the CBT	
		only group gained a mean of 0.5±0.6 kg.	

### Randomised controlled trials

Author	Inclusion criteria	Number of	Summary of results	Risk of bias
(year)		participants		
Annesi	Participants: Obese women aged 21-65	n = 134	This trial aimed to assess the effects, on psychological and	No
(2010)	years with a BMI of 31-45 km/m <sup>2</sup>	(Exercise	weight loss outcome measures, of adding CBT to an exercise	information
	Intervention: Exercise (3 x 20-40 min	with	programme for obese women.	about
	sessions per week) supported by a	cognitive-		randomisation
	cognitive-behavioural protocol (6 x 45	behavioural	With the exception of body composition, there were no	or allocation
	minute sessions)	support	significant differences in the outcome measures between the	concealment
	Comparator: Exercise (3 x 20-40 min	n=68,	groups at baseline; body composition differences were	methods was

	sessions per week) supported by a typical	Exercise	adjusted for in the model.	reported.
	exercise support programme with the	alone n=66)		·
	same contact time as the CBT condition.	,	Physiological outcomes:	The nature of
	Outcome: Body satisfaction (BASS),		Only the exercise + CBT group experienced statistically	the
	physiological factors (body weight and		significant changes in weight and body composition from	intervention
	body composition (percent body fat using		baseline to week 24. The exercise + CBT group lost a mean of	precluded
	skin fold calipers)), exercise self-efficacy		2.73 kg, compared to 0.5 kg in the exercise control group.	blinding of
	(ESE), physical self-concept (PSC),		Similarly percentage body fat was reduced by 2.29% in the	participants
	attendance to physical training sessions.		exercise + CBT group, compared with 0.06% in the exercise	and therapists
	All outcomes were measured at baseline		control group.	and it was not
	and 24 weeks.			clear whether
			Psychological outcomes:	outcomes
			Only the exercise + CBT group experienced statistically	were assessed
			significant changes in ESE and PSC. The ESE score increased	blind to group
			by 1.13 (from 16.74 to 17.87 out of a maximum of 35) in the	allocation.
			exercise + CBT group, compared to a reduction of 0.34 in the	
			exercise control group. The PSC score increased by 3.05 (from	Analyses were
			41.76 to 44.81 out of a maximum of 70) in the exercise + CBT	conducted on
			group, compared to 1.44 in the exercise control group.	an intention-
			There was a statistically significant increase in BASS, from	to-treat basis.
			baseline to week 24, in both groups; this increase was greater	
			in the exercise + CBT group (0.5) than in the exercise control	Results were
			group (0.26).	reported for
				all specified
				outcomes.
Ash et	<b>Participants:</b> Adults with BMI>27 kg/m <sup>2</sup>	n=176 (FBI	This trial aimed to compare the effects of a group CBT	Randomisation
al.	Intervention: Group-based cognitive	n=57, IDT	lifestyle intervention and individualised dietetic treatment on	was done by
(2006)	behaviour therapy lifestyle intervention,	n=65,	weight, physical activity, health and well-being.	the project

Fat Booters Incorporated (FBI) – A group intervention, with 10-12 participants per group comprising 1.5 hour weekly sessions, for 6 weeks.

**Comparator:** Individualised dietetic treatment (IDT), comprising individualised weekly contact with a dietician for 8 weeks, or information booklet only control.

**Outcome:** Weight and body composition (Model TBF-410), percent body fat, waist circumference, physical activity (IPAQ), health status (GHQ-12), self-efficacy (GSES) and life satisfaction (SWLS). Outcomes were assessed at baseline and at 3, 6 and 12 months.

control
n=54)
Only data
for the
active
intervention
groups are
included in
this
evidence
summary

For the two intervention groups included in this evidence summary, the mean age of participants was  $48.5\pm13$  years and the mean baseline BMI was  $34\pm5.5$  kg/m²; approximately 71% were female. There were no statistically significant differences between the groups in age, gender distribution, or baseline measures of weight, physical activity or health and well-being.

The group CBT programme used a tri-phasic design involving knowledge and skill development, cognitive behaviour therapy and relapse prevention with a focus on improvements in self-concept, self-efficacy and skills mastery. It emphasised empowerment, development of self-efficacy and skills, with a non-directive approach taken by facilitators. While information was available about diet and exercise, it was up to individuals if they acted on this information in making changes to their lifestyle.

There were no statistically significant differences between the two treatment groups, over time, in weight, BMI, % body fat or waist circumference; both groups experienced reductions in weight-related measures over time.

There were no statistically significant differences in the odds of being sufficiently physically active, between the two treatment groups.

manager, using a random numbers table.

The nature of the intervention precluded blinding of participants and therapists and it was not clear whether outcomes were assessed blind to group allocation.

Analyses were conducted on an intention-to-treat basis, however, only 26 patients (46%) in the FBI group and

			Both intervention groups were associated with significant improvements in mean self-efficacy scores over time, but there were no significant differences between the two groups.	44 patients (68%) in the IDT group completed the study.
				Results were
				reported for
				all specified
				outcomes.
Cooper	Participants: Females aged 20-60 years	n= 150,	This trial aimed to assess the immediate and long-term	Randomisation
et al.	with a BMI between 30.0 and 39.9 without	(CBT n=49,	effects of a new CBT intervention, which was designed to	was conducted
(2010)	other major medical complications	BT n=50,	minimise post-treatment weight gain.	by an
	(including type I or type II DM) or	GSH n=51)		independent
	psychiatric conditions. Participants were		The three groups were similar with respect to age, marital	researcher,
	excluded if they had weight loss of ≥10% in		status, weight history and family history of obesity. However,	using a
	the previous six months.		those in the CBT group had lower baseline weight and BMI;	computer-
	Intervention: CBT		analyses were adjusted for baseline weight.	generated
	Comparator: Behaviour therapy (BT) or			scheme. The
	guided self-help (GSH).		The mean age of study participants was 41.5±9 years and	allocation
	Outcome: Weight, weight maintenance		their mean weight at baseline was 94±10 kg, with a mean	sequence was
	behaviour (Eating Disorder Examination),		BMI of 34.7±2.9. 24% Of study participants were classified as	concealed in
	general psychiatric features (BSI, SCL-90),		having a binge eating disorder.	numbered
	quality of life (SF-36) and mental and			sealed opaque
	physical well-being (MCS and PCS).		The guided self-help (GSH) intervention lasted for 24 weeks	envelopes.
	Outcomes were assessed at baseline, post-		and involved two initial face-to-face sessions with a therapist	
	treatment and at 12, 24 and 36 months		followed by 15 20 minute telephone sessions. Behavioural	The nature of
	follow-up.		therapy (BT) was based on the Pittsburgh Behavioural Weight	the

Control Manual and used established behavioural methods to help participants change their eating habits and activity level, with the aim of restricting their energy intake to 1200 kcal daily. The CBT intervention was designed to address psychological processes thought to interfere with weight maintenance. Both CBT and BT interventions lasted for 44 weeks.

There were no statistically significant differences between the groups in the proportion of participants not completing treatment (CBT 16%, BT 18%, GSH 8%).

The CBT and BT treatment groups had post-treatment mean weight loss, relative to baseline, of -8.93±6.82% and -12.73±9.89%, respectively. The GSH group had a mean preto post-treatment weight loss of -5.43±8.34%. Weight loss was not sustained at 36 months follow-up; mean weight change, relative to baseline, was 0.05±7.3% in the GSH group, -3.38±8.27% in the BT group and -0.44±7.01% in the CBT group.

The proportion of participants with a >5% weight loss at the end of treatment, which was maintained at 36 months follow-up, was 7.8% in the GSH group, 24% in the BT group and 16.3% in the CBT group. Similarly, the proportion of participants with a >10% weight loss at the end of treatment, which was maintained at 36 months follow-up, was 5.9% in the GSH group, 12% in the BT group and 2% in the CBT group.

intervention precluded blinding of participants and therapists. Outcome assessments were conducted by independent practitioners who were blind to the treatment group.

Analyses were conducted on an intention-to-treat basis.

Only weightrelated outcomes were reported in full.

Heris	Participants: Females aged 20-45 years	n= 61	This study aimed to compare the effects of different	The study was
et al.	with a BMI >25 without other major	(LEARN	psychological interventions for individuals with overweight	described as
(2013)	medical complications (including DM) or	n=13, CBT	and obesity.	having a
	psychological illness. Participants were	n=17, CT		ʻquasi-
	excluded if they had weight loss of ≥10% in	n=17, MCT	The mean age of study participants was 26.75 years (range 20	experimental'
	the previous six months.	n=14)	to 43 years). The baseline BMI appeared similar across the	design and no
	<i>Intervention</i> : Group CBT – a program to		four treatment groups, but it was not clear whether there	details of
	address certain psychological processes		were any other significant differences between the groups at	randomisation
	that interfere with weight management		baseline.	or allocation
	(24 90 minute sessions).			concealment
	<b>Comparator:</b> Group Lifestyle Attitudes		All four psychological interventions were applied in addition	were
	Exercise Relationships and Nutrition		to diet and physical exercise.	reported.
	(LEARN) program for weight management			
	comprising 16 weekly 90 minute sessions,		Participants in all four treatment groups experienced a	The nature of
	group cognitive therapy (12 90 minute		statistically significant reduction in BMI from baseline to	the
	sessions) or group metacognitive therapy		post-treatment; mean reductions in BMI were 2.58 in the CBT	intervention
	(12 90 minute sessions).		group, 3.14 in the LEARN group, 2.54 in the CT group, and	precluded
	Outcome: BMI, fasting blood sugar, low		2.33 in the MCT group. No measures of difference between	blinding of
	density lipid, high density lipid and		the groups or follow-up data were reported.	participants
	triglyceride.			and therapists
			Results were also reported for biochemical measures.	and it was not
				clear whether
				outcomes
				were assessed
				blind to group
				allocation.
				No between

		group
		measures
		were assessed,
		only within-
		group baseline
		to post-
		treatment
		differences
		were reported
		and it was not
		clear whether
		all study
		participants
		were included
		in the
		analyses.
		Results were
		reported for
		all specified
		outcomes.

# Risk of bias

# Systematic reviews

Author (year)		RISK OF BIAS						
	Inclusion criteria	Searches	Review process	Quality assessment	Synthesis			
Shaw et al. (2005)	©	<u>©</u>	<b>©</b>	<b>©</b>	<b>©</b>			

# Randomised controlled trials

Study			RISK C	F BIAS		
	Random allocation	Allocation concealment	Blinding of participants and personnel	Blinding of outcome assessment	Incomplete outcome data	Selective Reporting
Annesi (2010)	?	?	8	?	<b>©</b>	©
Ash et al. (2006)	?	?	<u> </u>	?	<b>©</b>	<u>©</u>
Cooper et al. (2010)	<u>©</u>	©	8	<b>©</b>	©	8
Heris et al. (2013)	8	©	8	?	©	<b>©</b>

OLow risk

<mark>
 High risk
</code></mark>

? Unclear risk

# **Search details**

Source	Search Strategy	Number of hits	Relevant evidence identified
Guidelines			
NICE	Obesity	66	
MEDLINE	11. Medline; (obesity OR obese OR overweight OR weight OR bmi OR (body mass index)).ti,ab; 876419 results.	481	
	12. Medline; exp OBESITY/; 161561 results.		
	13. Medline; exp OVERWEIGHT/; 167869 results.		
	14. Medline; exp BODY MASS INDEX/; 94340 results.		
	15. Medline; 11 OR 12 OR 13 OR 14; 920385 results.		
	16. Medline; cbt.ti,ab; 6534 results.		
	17. Medline; (cognitive adj3 therap*).ti,ab; 15238 results.		
	18. Medline; exp COGNITIVE THERAPY/; 19414 results.		
	19. Medline; 16 OR 17 OR 18; 27541 results.		
	20. Medline; 15 AND 19; 1235 results.		
	21. Medline; "randomized controlled trial".ti,ab; 44579 results.		
	22. Medline; "controlled clinical trial".ti,ab; 10418 results.		
	23. Medline; randomi\$ed.ti,ab; 2 results.		
	24. Medline; placebo.ti,ab; 174033 results.		
	25. Medline; "drug therapy".ti,ab; 30338 results.		
	26. Medline; randomly.ti,ab; 249690 results.		
	27. Medline; trial.ti,ab; 414409 results.		
	28. Medline; groups.ti,ab; 1569305 results.		
	29. Medline; exp RANDOMIZED CONTROLLED TRIAL/; 0 results.		
	30. Medline; exp CLINICAL TRIAL/ OR exp CONTROLLED CLINICAL TRIAL/; 0 results.		
	31. Medline; 21 OR 22 OR 23 OR 24 OR 25 OR 26 OR 27 OR 28 OR 29 OR 30; 2091858 results.		
	32. Medline; 20 AND 31; 481 results.		
EMBASE	33. EMBASE; (obesity OR obese OR overweight OR weight OR bmi OR (body mass index)).ti,ab; 1167270 results.	787	

	34. EMBASE; exp OBESITY/; 370126 results.		
	35. EMBASE; exp OVERWEIGHT/; 370126 results.		
	36. EMBASE; exp BODY MASS INDEX/; 252095 results.		
	37. EMBASE; 33 OR 34 OR 35 OR 36; 1300925 results.		
	38. EMBASE; cbt.ti,ab; 10407 results.		
	39. EMBASE; (cognitive adj3 therap*).ti,ab; 21931 results.		
	40. EMBASE; exp COGNITIVE BEHAVIOR THERAPY/; 41591 results.		
	41. EMBASE; 38 OR 39 OR 40; 48919 results.		
	42. EMBASE; 37 AND 41; 2528 results.		
	43. EMBASE; random*.ti,ab; 1092678 results.		
	44. EMBASE; factorial*.ti,ab; 27618 results.		
	45. EMBASE; ((crossover* OR cross-over*)).ti,ab; 80690 results.		
	46. EMBASE; placebo*.ti,ab; 235976 results.		
	47. EMBASE; ((doubl* ADJ blind*)).ti,ab; 163978 results.		
	48. EMBASE; ((singl* ADJ blind*)).ti,ab; 17670 results.		
	49. EMBASE; assign*.ti,ab; 287590 results.		
	50. EMBASE; allocat*.ti,ab; 104507 results.		
	51. EMBASE; volunteer*.ti,ab; 203056 results.		
	52. EMBASE; exp "RANDOMIZED CONTROLLED TRIAL (TOPIC)"/ OR exp CONTROLLED CLINICAL TRIAL/; 651768 results.		
	53. EMBASE; 43 OR 44 OR 45 OR 46 OR 47 OR 48 OR 49 OR 50 OR 51 OR 52; 1850432 results.		
	54. EMBASE; 42 AND 53; 787 results.		
PsycINFO/CINAHL	1. PsycInfo; (obesity OR obese OR overweight OR weight OR bmi OR (body mass index)).ti,ab; 86952 results.	877	
	2. PsycInfo; exp OBESITY/; 19506 results.		
	3. PsycInfo; exp OVERWEIGHT/; 20507 results.		
	4. PsycInfo; exp BODY MASS INDEX/; 4008 results.		
	5. PsycInfo; 1 OR 2 OR 3 OR 4; 87474 results.		
	6. PsycInfo; cbt.ti,ab; 9874 results.		
	7. PsycInfo; (cognitive adj3 therap*).ti,ab; 25336 results.		
	8. PsycInfo; exp COGNITIVE BEHAVIOR THERAPY/; 15503 results.		
	9. PsycInfo; 6 OR 7 OR 8; 31463 results.		
	10. PsycInfo; 5 AND 9; 877 results.		

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