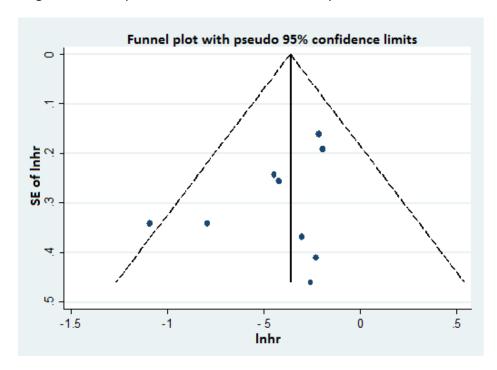
Supplementary Online Content

Kuyken W, Warren FC, Taylor RS, et al. Efficacy of mindfulness-based cognitive therapy in prevention of depressive relapse: an individual patient data meta-analysis from randomized trials. *JAMA Psychiatry*. Published online April 27, 2016. doi:10.1001/jamapsychiatry.2016.0076.

- eFigure 1. Funnel plot for random effects meta-analysis of MBCT vs no MBCT
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- eTable 2. Full search string used to identify relevant papers in PubMed/Medline search
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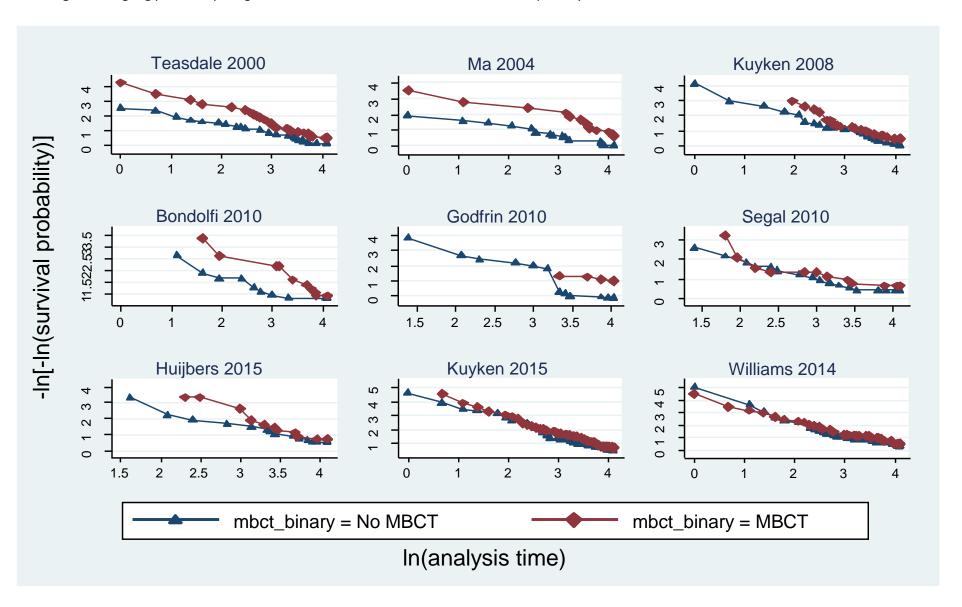
This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure 1. Funnel plot for random effects meta-analysis of MBCT vs no MBCT.



Inhr indicates log(hazard ratio); SE, standard error.

eFigure 2. Log-log plots comparing MBCT with no MBCT for each of the 9 included primary studies



eTable 1. Preferred reporting items for a systematic review and meta-analysis of individual participant data (PRISMA): checklist of key criteria for inclusion in meta-analyses

PRISMA-IPD section/topic	Checklist item	Brief description of how the criteria were handled in the meta-analysis
Title		
Title Abstract	Identify the report as a systematic review and meta-analysis of individual participant data.	Title includes the words "individual patient data meta- analysis from randomized trials"
Structured summary	Provide a structured summary including as applicable: Background: state research question and main objectives, with information on participants, interventions, comparators, and outcomes. Methods: report eligibility criteria; data sources including dates of last bibliographic search or elicitation, noting that IPD were sought; methods of assessing risk of bias. Results: provide number and type of studies and participants identified and number (%) obtained; summary effect estimates for main outcomes (benefits and harms) with confidence intervals and measures of statistical heterogeneity. Describe the direction and size of summary effects in terms meaningful to those who would put findings into practice. Discussion: state main strengths and limitations of the evidence, general interpretation of the results, and any important implications. Other: report primary funding	The abstract includes information on the background and objective of the IPD, its scope, the data sources, dates of search, who conducted the searches and how abstracts and retrieved full text articles were screened. Information on the number of studies, number of participants within these studies, and number of participants with IPD data are included. The key results and conclusions are described.

	source, registration number, and registry name for the systematic review and IPD meta-analysis.	
Introduction		
Rationale	Describe the rationale for the review in the context of what is already known	This study represents an update and extension of a previous meta-analysis of trials of MBCT for relapse prevention in recurrent depression. Extending previous work it includes individual patient data and therefore has the potential to address the question of whether MBCT is "differentially efficacious for sub-groups of people known to be at greater or lesser risk for depressive relapse/recurrence".
Objectives	Provide an explicit statement of the questions being addressed with reference, as applicable, to participants, interventions, comparisons, outcomes, and study design (PICOS). Include any hypotheses that relate to particular types of participant-level subgroups	At the end of the introduction we state that "We examined the efficacy of MBCT compared with usual care or active treatment groups for patients from a range of sociodemographic and psychiatric backgrounds participating in studies conducted in a number of different countries in Europe and North America, taking into account different periods of follow-up across studies."
Methods		
Protocol and registration	Indicate if a protocol exists and where it can be accessed. If available, provide registration information including registration number and registry name. Provide publication details, if applicable.	Not applicable
Eligibility criteria	Specify inclusion and exclusion criteria including those relating to participants, interventions,	The inclusion and exclusion criteria for studies are described in detail in the section titled "Study

	comparisons, outcomes, study design, and characteristics (eg, years when conducted, required minimum follow-up). Note whether these were applied at the study or individual level, ie, whether eligible participants were included (and ineligible participants excluded) from a study that included a wider population than specified by the review inclusion criteria. The rationale for criteria should be stated.	Identification and Data Extraction". Criteria were applied at the study rather than individual level.
Identifying studies— information sources	Describe all methods of identifying published and unpublished studies including, as applicable: which bibliographic databases were searched with dates of coverage; details of any hand searching including of conference proceedings; use of study registers and agency or company databases; contact with the original research team and experts in the field; open advertisements; and surveys. Give the date of last search or elicitation.	The section on Study Identification and Data Extraction describes the process for searching electronic databases, the parameters used for these searches including the date of last search. The identity of the two individuals conducting the searches, SS and TD is provided in the abstract, in the section 'Data Extraction and Synthesis'
Identifying studies—search	Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated.	A complete search string is included in the supplementary online materials, eTable 2.
Study selection processes	State the process for determining which studies were eligible for inclusion.	We describe in the abstract, in the section 'Data Extraction and Synthesis' that retrieved studies were first screened for matching to the inclusion/exclusion criteria by the independent systematic reviewer (SS) and then checked by TD. There were no disagreements.

Data collection processes	Describe how IPD were requested, collected, and managed, including any processes for querying and confirming data with investigators. If IPD were not sought from any eligible study, the reason for this should be stated (for each such study).	The processes for obtaining IPD are described in paragraph 3 of the section Study Identification and Data Extraction. IPD were sought for the 10 eligible trials and were obtained from the authors of 9 of the 10 relevant trials, and checked for integrity by FW, independent statistician.
Data items	Describe how the information and variables to be collected were chosen. List and define all study-level and participant-level data that were sought, including baseline and follow-up information. If applicable, describe methods of standardizing or translating variables within the IPD data sets to ensure common scales or measurements across studies.	Data were sought regarding depressive relapse status, time to depressive relapse/end of follow-up, baseline depression scores, baseline mindfulness scores, socio-demographic data (age, gender, ethnicity, relationship status, educational level, employment status), and depression variables (age of onset and number of past episodes). Baseline depression scores were available as Beck Depression Inventory (BDI) scores for all but one of the studies, so scores were converted to z-scores for all studies for comparability. Several mindfulness scores were used across the studies, so all scales used were converted to z-scores for comparability. Data regarding ethnicity were not available for some studies, or else only a small proportion of patients were non-Caucasian, so ethnicity was not included in these analyses. Employment status could not be standardised across studies due to differences in classification so was not considered further. Relationship status was reclassified into "Married/has a partner", "Single", and "Divorced/separated/widowed" as

		these classifications were standard across studies. Educational level could be classified into three broad categories "Degree level or above", "Qualifications below degree level" and "No qualifications" as these groupings could be identified across studies. Number of past episodes was classified into five or more/four or fewer, where number of past episodes was provided.
IPD integrity	Describe what aspects of IPD were subject to data checking (such as sequence generation, data consistency and completeness, baseline imbalance) and how this was done.	The processes for checking the data are described in eTable 3. We compared our IPD with the original publications for sociodemographic/psychological history data and number of depressive relapses across treatment arms.
Risk of bias assessment in individual studies	Describe methods used to assess risk of bias in the individual studies and whether this was applied separately for each outcome. If applicable, describe how findings of IPD checking were used to inform the assessment. Report if and how risk of bias assessment was used in any data synthesis.	Each study was assessed for risk of bias using the Cochrane Risk of Bias Tool, which examines a range of study parameters. Where information was unclear we returned to the study authors for clarification and were conservative in our ratings. The risk of bias table is included in the online supplementary material.
Specification of outcomes and effect measures	State all treatment comparisons of interest. State all outcomes addressed and define them in detail. State whether they were prespecified for the review and, if applicable, whether they were primary/main or secondary/additional outcomes. Give the principal measures of effect (such as risk ratio, hazard ratio, difference in means) used for each outcome.	We compared MBCT versus all non-MBCT treatments (prespecified primary comparison), as well as MBCT versus all active treatments, and MBCT versus antidepressant medication treatment. Hazard ratios were used for each outcome.
Synthesis methods	Describe the meta-analysis methods used to synthesize	We used both 1- and 2-stage approaches, with a random effects

IPD. Specify any statistical methods and models used. Issues should include (but are not restricted to):

- Use of a 1-stage or 2-stage approach
- How effect estimates were generated separately within each study and combined across studies (where applicable)
- Specification of 1-stage models (where applicable) including how clustering of patients within studies was accounted for
- Use of fixed- or randomeffects models and any other model assumptions, such as proportional hazards
- How (summary) survival curves were generated (where applicable)
- Methods for quantifying statistical heterogeneity (such as I^2 and τ^2)
- How studies providing IPD and not providing IPD were analyzed together (where applicable)
- How missing data within the IPD were dealt with (where applicable)

approach for the 2-stage metaanalyses, and using a random or fixed effect(s) approach for the 1stage meta-analysis, depending on the degree of between studies heterogeneity. For the 2-stage meta-analysis, hazard ratios were calculated for each study individually. Cox proportional hazard models were used for the fixed effect models, stratified by study. For the random effects 1stage models, a flexible parametric survival model was used, with a random effect on treatment within study. Statistical heterogeneity was quantified using the I². The effects of missing data were addressed by imputing patient level data representing different outcome scenarios.

Exploration of variation in effects

If applicable, describe any methods used to explore variation in effects by study- or participant-level characteristics (such as estimation of interactions between effect and covariates). State all participant-level characteristics that were analyzed as potential effect modifiers and whether these were prespecified.

Interaction effects between MBCT and participant level characteristics were explored using fixed effect 1-stage Cox proportional hazards models. We pre-specified baseline depression, baseline mindfulness, age, gender, age of onset of depression, number of past depressive episodes, relationship status, and educational level, as potential

		modifiers of the effect of MBCT treatment.
Risk of bias across studies	Specify any assessment of risk of bias relating to the accumulated body of evidence, including any pertaining to not obtaining IPD for particular studies, outcomes, or other variables.	We assessed publication bias using a funnel plot and Egger test.
Additional analyses	Describe methods of any additional analyses, including sensitivity analyses. State which of these were prespecified.	Not applicable
Results		
Study selection and IPD obtained	Give numbers of studies screened, assessed for eligibility, and included in the systematic review with reasons for exclusions at each stage. Indicate the number of studies and participants for which IPD were sought and for which IPD were obtained. For those studies for which IPD were not available, give the numbers of studies and participants for which aggregate data were available. Report reasons for nonavailability of IPD. Include a flow diagram.	Figure 1 shows the PRISMA flow diagram from record identification to study inclusion.
Study characteristics	For each study, present information on key study and participant characteristics (such as description of interventions, numbers of participants, demographic data, unavailability of outcomes, funding source, and if applicable duration of followup). Provide (main) citations for each study. Where applicable, also report similar study characteristics for any studies	This information is provided for included studies inTable 1

	not providing IPD.	
IPD integrity	Report any important issues	Details on the integrity of IPD and
	identified in checking IPD or	data cleaning are reported in
	state that there were none.	eTable 3 of the Supplement.
Risk of bias	Present data on risk of bias	A risk of bias assessment using
between studies	assessments. If applicable,	the Cochrane Risk of Bias Tool is
	describe whether data checking	provided in the online
	led to the up-weighting or	supplementary material. There is a
	down-weighting of these	discussion of potential risk of bias
	assessments. Consider how any	provided in the Strengths and
	potential bias affects the	Limitations of the Study section of
	robustness of meta-analysis	the discussion
	conclusions.	
Results of	For each comparison and for	Table 1, Figure 1
individual	each main outcome (benefit or	
studies	harm), for each individual study	
	report the number of eligible	
	participants for which data	
	were obtained and show simple	
	summary data for each	
	intervention group (including,	
	where applicable, the number	
	of events), effect estimates, and	
	confidence intervals. These may	
	be tabulated or included on a	
	forest plot.	
Results of	Present summary effects for	Results are reported in the Results
syntheses	each meta-analysis undertaken,	section, and in Table 2, Figure 1,
	including confidence intervals	and Figure 2.
	and measures of statistical	
	heterogeneity. State whether	
	the analysis was prespecified,	
	report the numbers	
	of studies and participants and,	
	where applicable, report the	
	number of events on which it is	
	based.	
	When exploring variation in	
	effects due to patient or study	
	characteristics, present	
	summary interaction estimates	
	for each characteristic	
	examined, including confidence	
	intervals and measures of	

	statistical heterogeneity. State whether the analysis was prespecified. State whether any interaction is consistent across trials. Provide a description of the direction and size of effect in terms meaningful to those who would put findings into practice.	
Risk of bias across studies	Present results of any assessment of risk of bias relating to the accumulated body of evidence, including any pertaining to the availability and representativeness of available studies, outcomes, or other variables.	A risk of bias assessment using the Cochrane Risk of Bias Tool is provided in the online supplementary material. There is a discussion of potential risk of bias provided in the Strengths and Limitations of the Study section of the discussion including a discussion of data availability from identified studies, potential unpublished studies and lack of consistency of measurement of some potential moderator variables (such as race/ethnicity) across studies.
Additional analyses	Give results of any additional analyses (eg, sensitivity analyses). If applicable, this should also include any analyses that incorporate aggregate data for studies that do not have IPD. If applicable, summarize the main meta-analysis results following the inclusion or exclusion of studies for which IPD were not available.	Not included
Discussion Summary of	Summarize the main findings	Our regults are summarised in
Summary of evidence	Summarize the main findings, including the strength of evidence for each main outcome.	Our results are summarised in Discussion: Summary of Results
Strengths and	Discuss any important strengths	Reported in Discussion: Strengths
limitations	and limitations of the evidence,	and Limitations of the Study

	T.	
	including the benefits of access	
	to IPD and any limitations	
	arising from IPD that were not	
	available.	
Conclusions	Provide a general interpretation	Reported in Discussion (final
	of the findings in the context of	paragraph)
	other evidence.	
Implications	Consider relevance to key	Reported in Conclusions
	groups (such as policy makers,	
	service providers, and service	
	users).	
	Consider implications for future	
	research.	
Funding		
Funding	Describe sources of funding and	Funding/Support and Role of
	other support (such as supply of	Funder/Sponsor have been
	IPD) and the role in the	acknowledged.
	systematic review of those	
	providing such support.	

eTable 2. Full search string used to identify relevant papers in PubMed/Medline search

Selection of	The search strategy identified 7768 publications. Duplicates were
publications to explain	removed, and abstracts from the remaining 2555 publications were
PRIMSA diagram in	screened. Reviews, qualitative studies, case studies, dissertation
Figure 1 in more	abstracts, study protocols, and non-English articles were excluded
detail.	(N=1789). (In this article, N refers to number of studies; n to number of
	participants). The remaining 766 articles were selected for further
	screening, and exclusion was carried out for the following reasons: a)
	no MBCT intervention (N=617) or b) did not use with MBCT for
	prevention of relapse in recurrent major depressive disorder (N=122),
	or c) did not use a randomized controlled design (N = 19). Eight full text
	articles on studies investigating the effect of MBCT on MDD relapse
	were retrieved and assessed for eligibility. One full text article was
	excluded (12) because it was a follow-up analysis of an included study
	(13). Three full-text articles duplicated articles identified in the
	previous meta-analysis (13-15). The six studies identified in the
	previous meta-analysis (5) along with the four new identified studies,
	fulfilling the inclusion criteria, were therefore finally selected for
	synthesis.
PubMed/Medline	(((((("2010/11/1"[Date - Publication] : "2014/11/30"[Date -
Search String	Publication])) AND MBCT[Title/Abstract]) AND
	depress*[Title/Abstract])) OR (((("2010/11/1"[Date - Publication] :
	"2014/11/30"[Date - Publication])) AND mindfulness based cognitive
	therapy[Title/Abstract]) AND depress*[Title/Abstract])) OR
	(((("2010/11/1"[Date - Publication] : "2014/11/30"[Date -
	Publication])) AND mindfulness-based cognitive
	therapy[Title/Abstract]) AND depress*[Title/Abstract])

eTable 3. Elaboration of the IPD data extraction, checking, and management

Data extraction and checking

One study comprised two related trials, only one of which met our inclusion criteria (Huijbers). Two important dimensions on which the trials differed were their inclusion criteria with respect to antidepressant medication and their comparator group. We were unable to obtain IPD or aggregate data from one trial (Meadows trial), which compared MBCT with a psychotherapy control and included 203 participants, due to legal/ethical constraints raised by the corresponding author. Each individual trial dataset was checked to ensure that the number of participants by arm corresponded with the primary reference. Data queries were resolved by communication with the trial authors. Some minor inconsistencies between the original papers and our results were observed. We checked the raw numbers of relapses reported for each paper against the datasets we were given. Checking the HRs against the 2-stage MA was not always feasible.

- 1) Teasdale: this data set has extra data not included in their paper (ie so the raw numbers of relapses differ from those reported). Also, they report separate HRs for patients with 3+/<3 past episodes, to emphasise a moderator effect, namely that patients with 3+ episodes benefit from MBCT but not those with <3.</p>
- 2) Ma: takes same approach as Teasdale. They report an HR for patients with 3+ episodes which we can replicate with their data (no HR for patients with <3 episodes is reported). Also, the raw numbers of relapses by treatment group reported in the paper match our dataset. They report a planned HR for the interaction between MBCT status and number of episodes, which also replicates with our data.
- 3) Kuyken: reports HR for 15 months rather than 60 weeks, but the 15 month HR is very similar to that resulting from 2-stage MA. The raw numbers of relapses by arm are the same in the paper as in our dataset.
- 4) Bondolfi: reports only non-significant p-values for their Cox regression model, which is consistent with 2-stage MA. The raw numbers of relapses by group are consistent with our IPD.
- 5) Godfrin: reports a Cox model with adjustment for HRSD and BDI as well as treatment group. We get slightly different results: Godfrin hazard ratio 0.23 (95% CI: 0.09 to 0.63), vs 0.33 (0.17 to 0.65). The raw data for number of relapses by group corresponded with the paper, although the Godfrin paper was not clear on the details of modelling used to derive the reported HRs. We assume that our data as received are correct.
- 6) Segal: results are reported separately for stable remitters and unstable remitters. For unstable remitters they get an HR of 0.26 (95% confidence interval [CI], 0.09-0.79) for MBCT vs placebo (we get 0.27 (0.09; 0.80)) and 0.24 (95% CI, 0.07-0.89) for ADM vs placebo (we get 0.28 (0.08; 1.02)), so similar. For stable remitters they say that both MBCT and ADM were had a non-significant HR

- vs placebo. The raw figures for relapses by group correspond to placebo.
 7) Huijbers MOMENT1: results are reported over a 15 month FU period as opposed to 60 weeks. Their reported HR can be replicated from their data and the raw numbers of relapses by group also match.
- 8) Kuyken: the HR reported is 24 months not 60 weeks (but 60 weeks HR is similar).
- 9) Williams: they report an HR for MBCT vs CPE and MBCT vs TAU, which can replicated virtually identically from our data (minor discrepancies in their reported MBCT vs CPE and ours probably due to them using days to relapse which we converted to weeks.).

Coding of moderator variables

Education level was separated into three categories: no qualifications, qualifications below degree level, and degree or higher. Relationship status was subdivided into three categories: married/cohabiting, single, and divorced/separated/widowed. Data on social class, ethnicity, and employment status were inconsistently collected across primary studies and these factors were not included in analyses.

Two trials suggested that number of previous episodes (fewer than three episodes versus three episodes or more) was a moderator (6, 7) and all subsequent trials therefore only included patients with three or more episodes. To enable adequate numbers in each category we used fewer than five episodes versus five episodes or more to dichotomize this variable. One trial only included <5/5+ (6).

If appropriate data were not available, then the variable was coded as missing for that participant.

eTable 4. Cochrane Collaboration tool for assessment of risk of bias

Primary study	Domain	Description	Review authors' judgement
Teasdale 2000	Sequence generation	Participants were randomized within site based on two baseline variables with reference to a random number table or by using a computer to generate random numbers.	Low risk
	Allocation concealment	Randomization performed by central independent allocator remote from treatment sites, which randomly assigned participants to treatment allocation and conveyed allocations back to treatment sites.	Low risk
	Blinding of participants, personnel and outcome assessors	Participants could not be blinded due to nature of intervention. Assessments of outcome were made by assessors blinded to treatment condition; however, occasional unblinding did occur. To mitigate this, interviews to assess outcomes were audiotaped and evaluated by an independent research psychiatrist who was blind to allocation and with any information that would reveal allocation excluded.	Moderate risk
	Incomplete outcome data	9/145 (6%) participants had missing primary outcome data.	Low risk
	Selective outcome reporting	Only one outcome (time to relapse of depression) was included in our review, which was reported in the paper.	Low risk
	Other sources of bias	No additional sources of bias identified.	Low risk

Ma 2004	Sequence generation	Randomization was stratified based on two baseline binary variables with reference to a random number table or by using a computer to generate random numbers.	Low risk
	Allocation concealment	Randomization was performed by a statistician who was not part of the research team.	Low risk
	Blinding of participants, personnel and outcome assessors	Participants could not be blinded due to nature of interventions. Assessments of outcome were performed by a clinical psychologist blind to allocation. Interviews were audiotaped and evaluated by an independent blind research psychiatrist, with any information that may prejudice blindness removed from the tapes.	Moderate risk
	Incomplete outcome data	2/75 (3%) participants had missing primary outcome data.	Low risk.
	Selective outcome reporting	Only one outcome (time to relapse of depression) was included in our review, which was reported in the paper.	Low risk
	Other sources of bias	No additional sources of bias identified.	Low risk
Kuyken 2008	Sequence generation	Block randomization (block size 4) to the two groups was performed by an independent statistician using computer-generated quasi-random numbers. Randomization was	Low risk

		stratified using one	
		baseline variable.	
	Allocation	Randomization was	Low risk
	concealment	performed by an	2011 1.0.1
	23	independent statistician	
	Blinding of	Participants could not be	Moderate Risk ^c
	participants,	blinded due to nature of	Wioderate Misk
	personnel and	interventions. Participants	
	outcome assessors	were assessed by research	
	outcome assessors	staff who were blind to	
		treatment allocation;	
		however, occasional	
		unblinding did occur. To	
		mitigate this, interviews to	
		assess outcomes were	
		audiotaped and evaluated	
		by an independent	
		research psychiatrist who	
		was blind to allocation	
		and with any information	
		that would reveal	
		allocation excluded .	
	Incomplete outcome	0/123 (0%) participants	Low risk
	data	had missing outcome	LOW HISK
	data	data.	
	Selective outcome	Only one outcome (time	Low risk
	reporting	to relapse of depression)	2017 11310
	i cporting	was included in our	
		review, which was	
		reported in the paper.	
	Other sources of bias	No additional sources of	Low risk
		bias identified.	
		2.30 (8.0	
Bondolfi 2010	Sequence generation	Randomization was	High risk
D01140111 2010	Sequence generation	performed using a	11181111310
		stratified block	
		randomization procedure	
		based on three	
		stratification factors. This	
		included shuffling	
		envelopes and random	
		envelope selection within	
		each stratum.	
	Allocation	Randomization was	Low risk
	concealment	performed using a	2011 1131
	- Concediment	stratified block	
		randomization procedure	
		Tanaomización procedure	<u> </u>

		based on three	
		stratification factors.	
		It proceeded through	
		shuffling envelopes and	
		random selection within	
		each stratum by someone	
		independent oft he trial	
		team.	
	Blinding of	Participants could not be	Low Risk
	participants,	blinded due to the nature	
	personnel and	of the interventions.	
	outcome assessors	Participants were	
		instructed not to inform	
		the research team about	
		group assignment to	
		ensure that blind outcome	
		assessment could be	
		performed. When a	
		person was unblinded	
		inadvertently (very rare	
		occasions 3 participants),	
		the audiotaped evaluation	
		(rating scales, etc) was re-	
		evaluated by an	
		independent evaluator.	
		The rating of the relapses	
		were systematically	
		evaluated by an	
		independent evaluator.	
	Incomplete outcome	0/60 (0%) participants had	Low risk
	data	missing outcome data.	
	Selective outcome	Only one outcome (time	Low risk
	reporting	to relapse of depression)	
		was included in our	
		review, which was	
		reported in the paper.	
	Other sources of bias	No additional sources of	Low risk
	Strict Sources of bids	bias identified.	LOW HISK
		Mas facilitied.	
Godfrin 2010	Sequence generation	Participants were	Low risk
	Sequence Scheration	allocated to their	LOW HISK
		intervention using a	
		computer generated	
		randomization procedure.	
	Allocation	The sequence of allocation	Low risk
	concealment	to the study groups was	
		concealed until	

			T .
		assignment. Participants	
		were informed of their	
		allocation by the study	
		coordinator.	
	Blinding of	Participants could not be	High Risk
	participants,	blinded due to the nature	
	personnel and	of the interventions.	
	outcome assessors	Participants were assessed	
		by a psychologist who was	
		not blind to treatment	
		allocation.	
	Incomplete outcome	19/106 (18%) participants	High risk
	data	had missing outcome	High Hisk
	uata	_	
	Coloctivo	data.	L out wick
	Selective outcome	Only one outcome (time	Low risk
	reporting	to relapse of depression)	
		was included in our	
		review, which was	
		reported in the paper.	
	Other sources of bias	No additional sources of	Low risk
		bias identified.	
Segal 2010	Sequence generation	Block randomization was	Low risk
		performed using	
		computer generated	
		quasi-random numbers.	
	Allocation	Randomization was	Low risk
	concealment	performed by an	
		independent statistician.	
		Allocation was	
		communicated to the	
		coordinator once patient	
		eligibility was confirmed.	
	Blinding of	Participants could not be	Moderate risk ^c
	participants,	blinded due to the nature	IVIOUEI ALE IISK
	personnel and	of the interventions.	
	'		
	outcome assessors	Participants were assessed	
		by clinical evaluators blind	
		to treatment allocation.	
		There was no third party	
		independent re-rating of	
		interviews.	
	Incomplete outcome	0/54 (0%) participants had	Low risk
	data	missing outcome data.	
	Selective outcome	Only one outcome (time	Low risk
	reporting	to relapse of depression)	
		was included in our	
		was included in our	

		roviou which was	
		review, which was	
	Oth on course of letter	reported in the paper.	L avv. mials
	Other sources of bias	No additional sources of	Low risk.
		bias identified.	
Huijbers 2015	Sequence generation	Randomization was	Low risk
(MOMENT1)		performed using a website	
		based application, with	
		minimisation on five	
	Alleredia	factors.	1 . 2.1
	Allocation	Randomization was	Low risk
	concealment	performed by an	
		independent statistician.	
		Allocation was	
		communicated to	
		participants by research	
		assistants after eligibility	
	DI: 1: 6	confirmed.	
	Blinding of	Participants could not be	High risk ^c
	participants,	blinded due to nature of	
	personnel and	interventions. Research	
	outcome assessors	assistants performing	
		outcome assessments	
		were not blinded to	
		intervention. A sample of	
		assessment interviews	
		was assessed by blind	
		raters and inter-rater	
		agreement found to be	
		high.	
	Incomplete outcome	0/68 participants had	Low risk
	data	missing outcome data.	
	Selective outcome	Only one outcome (time	Low risk
	reporting	to relapse of depression)	
		was included in our	
		review, which was	
	011	reported in the paper.	
	Other sources of bias	No additional sources of	Low risk
		bias identified.	
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Kuyken 2015	Sequence generation	Participants were	Low risk
(PREVENT)		allocated using a	
		computer generated quasi	
		random number sequence	
	All	stratified by two factors.	
	Allocation	Allocation was undertaken	Low risk
	concealment	using a password	

		protected website	
		protected website	
		maintained by a Clinical	
		Trials Unit, independent of	
		the trial. Participants were	
		informed of the outcome	
		of randomisation via a	
		letter sent from the trial	
		administrator.	
	Blinding of	Participants could not be	Moderate Risk ^c
	participants,	blinded due to nature of	
	personnel and	the interventions.	
	outcome assessors	Research assessors	
		remained blind to	
		treatment allocation for	
		the duration of the follow-	
		up period. If an assessor	
		knowingly became	
		unblinded, which occurred	
		in only a very small	
		proportion of cases, an	
		alternative assessor was	
		used for subsequent	
		assessments ^a	
	Incomplete outcome	22/424 (5%) participants	Low risk
	data	has missing outcome data.	
	Selective outcome	Only one outcome (time	Low risk
	reporting	to relapse of depression)	
		was included in our	
		review, which was	
		reported in the paper.	
	Other sources of bias	No additional sources of	Low risk
		bias identified.	
Williams 2014	Sequence generation	Randomization was	Low risk
(SWAD)	J	performed using dynamic	
(4		allocation (retaining a	
		stochastic component in	
		each allocation) with	
		stratification by four	
		variables.	
	Allocation	Randomization was	Low risk
	concealment		LUW HSK
	Conceannent	conducted by email	
		contact with the	
		independent randomizing	
		organization. Participants	
		were informed of their	
		allocation by letter, email	

	or telephone.	
Blinding of participants, personnel and outcome assessors	Participants could not be blinded due to nature of interventions. Assessors were blinded to intervention allocation. Assessor blindedness was checked after every assessment session. If an assessor knowingly became unblinded, which occurred in only a very small proportion of cases, an alternative assessor was used for subsequent assessments ^b .	Moderate risk ^c
Incomplete outcome data	19/274 (7%) participants had missing outcome data.	Low risk
Selective outcome reporting	Only one outcome (time to relapse of depression) was included in our review, which was reported in the paper.	Low risk
Other sources of bias	No additional sources of bias identified.	Low risk

^aThe fidelity of this masking was moderate with assessors correctly guessing allocation for 56% of assessments. However inter-rated agreement for the subset of diagnostic interviews that were re-rated by an independent rater indicated an agreement rate of 89.9% (additional information obtained from authors)

^bA sample of all assessment interviews was re-rated by an independent psychiatrist and interrater agreement was found to be high at 87% (additional information obtained from authors).

^cAlthough a small proportion of assessments are likely to have been carried out by assessors who were able to guess random allocation we estimate that the overall risk associated with this is low to moderate, and do not consider it likely that the outcome was substantially influenced by any lack of blinding. This conclusion is drawn particularly in view of the fact that studies which conducted independent third party blind rating of interviews (SWAD, PREVENT) found high levels of agreement with original assessor ratings. Indeed inter-rater agreement was also high in MOMENT 1 which did not employ blind assessors. However we conservatively list the risk associated with blinding in these studies as moderate (high in the case of MOMENT 1) to reflect the fact that complete blinding of outcome assessments was not possible. We have categorised Bondolfi et al (2010) as low risk on blinding because all three interviews in which unblinding occurred were re-rated independently.