Table 1. Domains for determining risk of bias in systematic reviews of psychotherapy outcome studies [partially adapted from Higgins et al. (2011)].

Domain	Sample criteria for low risk of	Sample criteria for high risk	
	bias	of bias	
Sequence generation: Was	The investigators describe a	The investigators describe a	
the allocation sequence	random component in the	non-random component in	
adequately generated?	sequence generation process	the sequence generation	
	such as referring to a random	process	
	number table, using a		
	computer random number		
	generator, or coin toss		
Allocation concealment: Was	Participants and investigators	Participants or investigators	
allocation adequately	enrolling participants could	enrolling participants could	
concealed?	not foresee assignment	possibly foresee assignments	
	because adequate methods	and thus introduce selection	
	(e.g., central allocation,	bias, such as allocation based	
	sequentially numbered	on an open random allocation	
	envelopes)	schedule (e.g. a list of random	
		numbers) or allocation based	
		on unconcealed or non-	
		random factors	
Blinding of study personnel	Any of the following:	Any of the following:	
and outcome assessors: Was	• No blinding, but the review	No blinding or incomplete	
knowledge of the allocated	authors judge that the	blinding, and the outcome	
interventions adequately	outcome and the outcome	or outcome measurement	
prevented during the study?	measurement are not	is likely to be influenced by	
	likely to be influenced by	lack of blinding	
	lack of blinding	Blinding of key personnel	
	Blinding of key study	was attempted, but likely	

	personnel ensured, and	that the blinding could
	unlikely that the blinding	have been broken
	could have been broken	Some key study personnel
	 Some key study personnel 	were not blinded, and the
	were not blinded, but	non-blinding of these
	outcome assessment was	personnel was likely to
	blinded and the non-	introduce bias
	blinding of these personnel	
	was unlikely to introduce	
	bias	
Blinding of participants: Was	Any one of the following:	Any one of the following:
knowledge of the allocated	• No blinding, but the review	 No blinding or incomplete
interventions adequately	authors judge that the	blinding, and the outcome
prevented during the study?	outcome and the outcome	or outcome measurement
	measurement are not	is likely to be influenced by
	likely to be influenced by	lack of blinding
	lack of blinding	 Blinding of study
	Blinding of participants	participants was
	ensured, and unlikely that	attempted, but likely that
	the blinding could have	the blinding could have
	been broken	been broken
	Participants were not	Participants were not
	blinded, but outcome	blinded, and the non-
	assessment was blinded	blinding of participants
	and the non-blinding of	was likely to introduce bias
	participants unlikely to	
	introduce bias	
Incomplete outcome data:	Any one of the following:	Any one of the following:
Were incomplete outcome	No missing outcome data	Reason for missing
data adequately addressed?	 Reasons for missing 	outcome data likely to be
	outcome data unlikely to	related to true outcome,
		l

	be related to true outcome	with either imbalance in
	 Missing outcome data 	numbers or reasons for
	balanced in numbers	missing data across
	across intervention groups,	intervention groups
	with similar reasons for	For dichotomous outcome
	missing data across groups	data, the proportion of
	For dichotomous outcome	missing outcomes
	data, the proportion of	compared with observed
	missing outcomes	event risk enough to
	compared with observed	induce clinically relevant
	event risk not enough to	bias in intervention effect
	have a clinically relevant	estimate
	impact on the intervention	For continuous outcome
	effect estimate	data, plausible effect size
	• For continuous outcome	(difference in means or
	data, plausible effect size	standardized difference in
	(difference in means or	means) among missing
	standardized difference in	outcomes enough to
	means) among missing	induce clinically relevant
	outcomes not enough to	bias in observed effect size
	have a clinically relevant	'As-treated' analysis done
	impact on observed effect	with substantial departure
	size	of the intervention
	 Missing data have been 	received from that
	imputed using appropriate	assigned at randomization
	methods	Potentially inappropriate
		application of simple
		imputation
Selective outcome reporting:	Any of the following:	Any one of the following:
Are reports of the study free of	• The study protocol is	• Not all of the study's pre-
suggestion of selective	available and all of the	specified primary

outcome reporting?	study's pre-specified	outcomes have been
	(primary and secondary)	reported
	outcomes that are of	One or more primary
	interest in the review have	outcomes is reported using
	been reported in the pre-	measurements, analysis
	specified way	methods or subsets of the
	• The study protocol is not	data (e.g. subscales) that
	available but it is clear that	were not pre-specified;
	the published reports	One or more reported
	include all expected	primary outcomes were
	outcomes, including those	not pre-specified (unless
	that were pre-specified	clear justification for their
		reporting is provided, such
		as an unexpected adverse
		effect)
		One or more outcomes of
		interest in the review are
		reported incompletely so
		that they cannot be
		entered in a meta-analysis
		• The study report fails to
		include results for a key
		outcome that would be
		expected to have been
		reported for such a study
Treatment fidelity: Was the	All of the following:	Any of the following:
treatment implemented as	Therapists had adequate	Therapists were not
intended?	qualifications and training	adequately qualified or
	to provide the study	trained to provide the
	treatment	study treatment
	A publicly-available	No publicly-available

	treatment manual was	treatment manual was
	used	used
	Adherence to the	Adherence to the
	treatment protocol was	treatment protocol was
	monitored and judged to	either not monitored, or
	be adequate	was monitored and is
		judged to have been
		inadequate
Other potential threats to	The study appears to be free	There is at least one
validity: Was the study	of other sources of bias	important risk of bias. For
apparently free of other		example, the study:
problems that could put it at a		Had a potential source of
risk of bias?		bias related to the specific
		study design used
		Stopped early due to some
		data-dependent process
		(including a formal-
		stopping rule)
		Had extreme baseline
		imbalance
		Has been claimed to have
		been fraudulent
		Had some other problem,
		including clear financial
		conflict of interest
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Risk of bias	Interpretation	Within a study	Across studies
Low risk of	Plausible bias unlikely to	Low risk of bias for all	Most information is from
bias	seriously alter the	key domains	studies at low
	results		risk of bias
Unclear risk	Plausible bias that raises	Unclear risk of bias for	Most information is from
of bias	some doubt about	one or more key	studies at low or
	the results	domains	unclear risk of bias
High risk of	Plausible bias that	High risk of bias for one	The proportion of
bias	seriously weakens	or more key	information from studies
	confidence in the results	domains	at high risk of bias is
			sufficient to affect the
			interpretation of the
			results

Table 2. Summary assessments of risk of bias [adapted from Higgins and Green (2008)]

Table 3. Scoring criteria for the Assessment of Multiple Systematic Reviews (AMSTAR) system (Shea et

al., 2007)

1 Was an 'a nriori' design provided?	Vec
The research question and inclusion criteria should be established before the	No
conduct of the review	Cap't appwor
conduct of the review.	Call Lanswer
	Not applicable
2. Was there duplicate study selection and data extraction?	Yes
There should be at least two independent data extractors and a consensus	No
procedure for disagreements should be in place.	Can't answer
	Not applicable
3. Was a comprehensive literature search performed?	Yes
At least two electronic sources should be searched. The report must include	No
years and databases used (e.g. Central, EMBASE, and MEDLINE). Key words	Can't answer
and/or MESH terms must be stated and where feasible the search strategy	Not applicable
should be provided. All searches should be supplemented by consulting	
current contents, reviews, textbooks, specialized registers, or experts in the	
particular field of study, and by reviewing the references in the studies found.	
4. Was the status of publication (i.e. grey literature) used as an inclusion	Yes
criterion?	No
The authors should state that they searched for reports regardless of their	Can't answer
publication type. The authors should state whether or not they excluded any	Not applicable
reports (from the systematic review), based on their publication status.	
language etc.	
5. Was a list of studies (included and excluded) provided?	Yes
A list of included and excluded studies should be provided.	No
	Can't answer
	Not applicable
6. Were the characteristics of the included studies provided?	Yes
In an aggregated form such as a table, data from the original studies should	No
be provided on the participants, interventions and outcomes. The ranges of	Can't answer
characteristics in all the studies analyzed e.g. age, race, sex, relevant	Not applicable
socioeconomic data, disease status, duration, severity, or other diseases	
should be reported.	

	Yes
7. Was the scientific quality of the included studies assessed and	No
documented?	Can't answer
'A priori' methods of assessment should be provided (e.g., for effectiveness studies if the author(s) chose to include only randomized, double-blind, placebo controlled studies, or allocation concealment as inclusion criteria);	Not applicable
for other types of studies alternative items will be relevant.	
0. We also a signatifie and the of the included studies used a summarized by in	No -
formulating conclusions?	No
The results of the methodological rigor and scientific quality should be	Can't answer
considered in the analysis and the conclusions of the review, and explicitly	Not applicable
stated in formulating recommendations.	
9. Were the methods used to combine the findings of studies appropriate?	Yes
For the pooled results, a test should be done to ensure the studies were	No
combinable, to assess their homogeneity (i.e. Chi-squared test for	Can't answer
homogeneity, I ²). If heterogeneity exists a random effects model should be used and/or the clinical appropriateness of combining should be taken into	Not applicable
consideration (i.e. is it sensible to combine?).	
10. Was the likelihood of publication bias assessed?	Yes
An assessment of publication bias should include a combination of graphical	No
aids (e.g., funnel plot, other available tests) and/or statistical tests (e.g., Egger	Can't answer
regression test).	Not applicable
	No.
11. Was the conflict of interest stated?	res
systematic review and the included studies	NU Can't answer
באסובווומנור ובעופש מווע נווב וווכועעבע סנעלופס.	Not annlicable

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 M. (2007). Development of AMSTAR: A measurement tool to assess the methodological quality of systematic reviews. *BMC Medical Research Methodology, 7*, 10. doi: 10.1186/1471-2288-7-10