## **TREND Statement Checklist**

Paper Section/ Topic	Item No	Descriptor	Reported on Page Number/Line Number	Reported on Section/Paragraph
Title and Abstract				
Title and Abstract	1	Information on how unit were allocated to interventions	Page2/Line11-13	Abstract/Paragraph2
		Structured abstract recommended	Page2/Line2-27	Abstract/Paragraph1-4
		Information on target population or study sample	Page2/Line11-17	Abstract/Paragraph2-3
Introduction				
Background	2	Scientific background and explanation of rationale	Page3/Line4-18	Introduction/Para1-2
		Theories used in designing behavioral interventions	Page4/Line4-8	Introdution/Para2
Methods				
Participants	3	Eligibility criteria for participants, including criteria at different levels in recruitment/sampling plan (e.g., cities, clinics, subjects)	Page4/Line 13-15	Methods/Para1
		Method of recruitment (e.g., referral, self-selection), including the sampling method if a systematic sampling plan was implemented	Page5/Line21-22	Results/Para1
		Recruitment setting	Page5/Line21-22	Results/Para1
		Settings and locations where the data were collected	Page4/Line13-15	Methods/Para1
Interventions	4	Details of the interventions intended for each study condition and how and when they were actually administered, specifically including:	Page4/Line13-25	Methods/Para1-2
		o Content: what was given?	Page4/Line16-17, 20-22	Methods/Para2
		o Delivery method: how was the content given?	Page4/Line16-19	Methods/Para2
		o Unit of delivery: how were the subjects grouped during delivery?	Page6/Line2	Results/Para2
		o Deliverer: who delivered the intervention?	Page4/Line22	Methods/Para2
		o Setting: where was the intervention delivered?	Page4/Line25	Methods/Para2
		o Exposure quantity and duration: how many sessions or episodes or events were intended to be delivered? How long were they intended to last?	Page5/Line21-24	Results/Para1

		o Time span: how long was it intended to take to deliver the intervention to each unit?	Page11/Line3	Table2
		o Activities to increase compliance or adherence (e.g., incentives)	N/A	N/A
Objectives	5	Specific objectives and hypotheses	N/A	N/A
Outcomes	6	Clearly defined primary and secondary outcome measures	Page5/Line5-10	Methods/Para3
		Methods used to collect data and any methods used to enhance the quality of measurements	Page5/Line7	Methods/Para3
		Information on validated instruments such as psychometric and biometric properties	Page5/Line7-8	Methods/Para3
Sample Size	7	How sample size was determined and, when applicable, explanation of any interim analyses and stopping rules	Page5/Line21-22	Results/Para1
Assignment Method	8	Unit of assignment (the unit being assigned to study condition, e.g., individual, group, community)	Page6/Line2	Results/Para2
		Method used to assign units to study conditions, including details of any restriction (e.g., blocking, stratification, minimization)	Page4/Line22	Methods/Para2
		Inclusion of aspects employed to help minimize potential bias induced due to non-randomization (e.g., matching)	N/A	N/A
Blinding (masking)	9	Whether or not participants, those administering the interventions, and those assessing the outcomes were blinded to study condition assignment; if so, statement regarding how the blinding was accomplished and how it was assessed.	N/A	N/A
Unit of Analysis	10	Description of the smallest unit that is being analyzed to assess intervention effects (e.g., individual, group, or community)	Page6/Line2	Results/Para2
		If the unit of analysis differs from the unit of assignment, the analytical method used to account for this (e.g., adjusting the standard error estimates by the design effect or using multilevel analysis)	Page5/Line12-17	Methods/Para4
Statistical Methods	11	Statistical methods used to compare study groups for primary methods outcome(s), including complex methods of correlated data	Page5/Line12-17	Methods/Para4
		Statistical methods used for additional analyses, such as a subgroup analyses and adjusted analysis	Page5/Line12-17	Methods/Para4
		Methods for imputing missing data, if used	N/A	N/A
		Statistical software or programs used	Page5/Line12-17	Methods/Para4
Results				•
Participant flow	12	Flow of participants through each stage of the study: enrollment, assignment, allocation, and intervention exposure, follow-up, analysis (a diagram is strongly recommended)	Page9/Line14	Figure1
		o Enrollment: the numbers of participants screened for eligibility, found to be eligible or not eligible, declined to be enrolled, and enrolled in the study	Page9/Line14	Figure1
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	o Assignment: the numbers of participants assigned to a study condition	Page5/Line21	Results/Para1
	o Allocation and intervention exposure: the number of participants assigned to each study condition and the number of participants who received each intervention	Page6/Line2	Results/Para2
	o Follow-up: the number of participants who completed the follow- up or did not complete the follow-up (i.e., lost to follow-up), by study condition	Page6/Line2-6	Results/Para2
	o Analysis: the number of participants included in or excluded from the main analysis, by study condition	Page6/Line14	Figure1
	Description of protocol deviations from study as planned, along with reasons	N/A	N/A
13	Dates defining the periods of recruitment and follow-up	Page4/Line15	Methods/Para1
14	Baseline demographic and clinical characteristics of participants in each study condition	Page6/Line2/6	Results/Para2
	Baseline characteristics for each study condition relevant to specific disease prevention research	Page10/Line3	Table1
	Baseline comparisons of those lost to follow-up and those retained, overall and by study condition	N/A	N/A
	Comparison between study population at baseline and target population of interest	Page10/Line3	Table1
15	Data on study group equivalence at baseline and statistical methods used to control for baseline differences	N/A	N/A
16	Number of participants (denominator) included in each analysis for each study condition, particularly when the denominators change for different outcomes; statement of the results in absolute numbers when feasible	Page6/Line2	Results/Para2
	Indication of whether the analysis strategy was "intention to treat" or, if not, description of how non-compliers were treated in the analyses	N/A	N/A
17	For each primary and secondary outcome, a summary of results for each estimation study condition, and the estimated effect size and a confidence interval to indicate the precision	Page6/Line9-25	Results/Para3
	Inclusion of null and negative findings	Page6/Line20-21	Results/Para4
	Inclusion of results from testing pre-specified causal pathways through which the intervention was intended to operate, if any	N/A	N/A
18	Summary of other analyses performed, including subgroup or restricted analyses, indicating which are prespecified or exploratory	Page7/Line2-4	Results/Para6
19	Summary of all important adverse events or unintended effects in each study condition (including summary)	Page6/Line9-25	Results/Para3-5
	14 15 16 17	a Allocation and intervention exposure: the number of participants assigned to each study condition and the number of participants who received each intervention  b Follow-up: the number of participants who completed the follow-up or did not complete the follow-up (i.e., lost to follow-up), by study condition  c Analysis: the number of participants included in or excluded from the main analysis, by study condition  Description of protocol deviations from study as planned, along with reasons  Dates defining the periods of recruitment and follow-up  Baseline demographic and clinical characteristics of participants in each study condition  Baseline characteristics for each study condition relevant to specific disease prevention research  Baseline comparisons of those lost to follow-up and those retained, overall and by study condition  Comparison between study population at baseline and target population of interest  Data on study group equivalence at baseline and statistical methods used to control for baseline differences  Number of participants (denominator) included in each analysis for each study condition, particularly when the denominators change for different outcomes; statement of the results in absolute numbers when feasible  Indication of whether the analysis strategy was "intention to treat" or, if not, description of how non-compliers were treated in the analyses  For each primary and secondary outcome, a summary of results for each estimation study condition, and the estimated effect size and a confidence interval to indicate the precision  Inclusion of null and negative findings  Inclusion of results from testing pre-specified causal pathways through which the intervention was intended to operate, if any	o Allocation and intervention exposure: the number of participants assigned to each study condition and the number of participants who received each intervention  o Follow-up: the number of participants who completed the follow- up or did not complete the follow-up (i.e., lost to follow-up), by study condition  o Analysis: the number of participants included in or excluded from the main analysis, by study condition  Page6/Linc2 6  Description of protocol deviations from study as planned, along with reasons  N/A  13 Dates defining the periods of recruitment and follow-up  Page4/Linc15  Page6/Linc2/6  Baseline demographic and clinical characteristics of participants in each study condition  Page6/Linc2/6  Baseline comparisons of those lost to follow-up and those retained, overall and by study condition  N/A  Comparison between study population at baseline and target population of interest  Page10/Linc3  Data on study group equivalence at baseline and statistical methods used to control for baseline differences  N/A  N/A  N/A  N/A  Indication of whether the analysis strategy was "intention to treat" or, if not, description of how non-compliers were treated in the analyses  Indication of whether the analyses with entered to indicate the precision  Inclusion of null and negative findings  Inclusion of results from testing pre-specified causal pathways through which the intervention was intended to operate, if any  Summary of other analyses performed, including subgroup or restricted analyses, indicating which are pre-specified or exploratory

DISCUSSION					
Interpretation	20	Interpretation of the results, taking into account study hypotheses, sources of potential bias, imprecision of measures, multiplicative analyses, and other limitations or weaknesses of the study	Page7/Line7-26	Discussion/Para1-3	
		Discussion of results taking into account the mechanism by which the intervention was intended to work (causal pathways) or alternative mechanisms or explanations	Page8/Line2-8	Discussion/Para4	
		Discussion of the success of and barriers to implementing the intervention, fidelity of implementation	Page7/Line7-Pg8/Ln12	Discussion/Para1-4	
		Discussion of research, programmatic, or policy implications	Page8/Line1-12	Discussion/Para4	
Generalizability	21	Generalizability (external validity) of the trial findings, taking into account the study population, the characteristics of the intervention, length of follow-up, incentives, compliance rates, specific sites/settings involved in the study, and other contextual issues	Page8/Line14-19	Conclusions/Para1	
Overall Evidence	22	General interpretation of the results in the context of current evidence and current theory	Page8/Line14-19	Conclusions/Para1	

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<sup>\*</sup>As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as ar alternative reference.