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Title: Effects of cannabidiol on appetite and body weight: a systematic review

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Supplementary Table 1 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Aran et al. (2021) [19]

Ref or Label	Aran et al. (2021) [19]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		Y
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		N
	Risk of bias judgement		Low
Domain S: Risk of bias arising from period and carryover effects	S.1 Was the number of participants allocated to each of the two sequences equal or nearly equal?		Y
	S.2 If N/PN/NI to S.1: Were period effects accounted for in the analysis?		NA
	S.3 Was there sufficient time for any carryover effects to have disappeared before outcome assessment in the second period?		Y
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		N
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		N
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		PY
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		N
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		N
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		N
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		NA
	Risk of bias judgement		Low
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		N

	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?	N
	4.3 Were outcome assessors aware of the intervention received by study participants?	N
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?	NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?	NA
	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	Y
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	N
	5.4 Is a result based on data from both periods sought, but unavailable on the basis of carryover having been identified?	N
	Risk of bias judgement	Low
Overall bias	Risk of bias judgement	Low

Supplementary Table 2 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Crippa et al. (2021) [20]

Ref or Label	Crippa et al. (2021) [20]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		Y
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		N
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		N
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		N
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		PY
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		N
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		N
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		N
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		NA
	Risk of bias judgement		Low
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		PN
	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?		N
	4.3 Were outcome assessors aware of the intervention received by study participants?		N
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?		NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?		NA

	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	Y
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	N
	Risk of bias judgement	Low
Overall bias	Risk of bias judgement	Low

Supplementary Table 3 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of de Bruijn et al. (2017) [23]

Ref or Label	de Bruijn et al. (2017) [23]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question	Response	
Bias arising from the randomization process	1.1 Was the allocation sequence random?	Y	
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?	Y	
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?	NI	
	Risk of bias judgement	Low	
Domain S: Risk of bias arising from period and carryover effects	S.1 Was the number of participants allocated to each of the two sequences equal or nearly equal?	Y	
	S.2 If N/PN/NI to S.1: Were period effects accounted for in the analysis?	NA	
	S.3 Was there sufficient time for any carryover effects to have disappeared before outcome assessment in the second period?	PY	
	Risk of bias judgement	Low	
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?	N	
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?	N	
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?	NA	
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?	NA	
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?	NA	
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?	PY	
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?	NA	
	Risk of bias judgement	Low	
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?	N	
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?	N	
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?	N	
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?	NA	
	Risk of bias judgement	Low	
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?	N	

	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?	N
	4.3 Were outcome assessors aware of the intervention received by study participants?	N
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?	NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?	NA
	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	NI
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	N
	5.4 Is a result based on data from both periods sought, but unavailable on the basis of carryover having been identified?	NI
	Risk of bias judgement	Some concerns
Overall bias	Risk of bias judgement	Some concerns

Supplementary Table 4 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Devinsky et al. (2017) [14]

Ref or Label	Devinsky et al. (2017) [14]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		Y
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		N
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		N
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		N
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		Y
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		N
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		N
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		PY
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		PN
	Risk of bias judgement		Some concerns
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		N
	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?		N
	4.3 Were outcome assessors aware of the intervention received by study participants?		PN
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?		NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?		NA

	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	PY
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	PN
	5.3 ... multiple eligible analyses of the data?	PN
	Risk of bias judgement	Low
Overall bias	Risk of bias judgement	Some concerns

Supplementary Table 5 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Devinsky et al. (2018) [17]

Ref or Label	Devinsky et al. (2018) [17]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		PY
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		N
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		N
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		N
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		Y
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		N
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		N
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		Y
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		PN
	Risk of bias judgement		Some concerns
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		N
	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?		N
	4.3 Were outcome assessors aware of the intervention received by study participants?		N
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?		NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?		NA

	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	Y
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	N
	Risk of bias judgement	Low
Overall bias	Risk of bias judgement	Some concerns

Supplementary Table 6 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Devinsky et al. (2018)
[15]

Ref or Label	Devinsky et al. (2018) [15]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		PY
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		N
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		PN
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		PN
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		PY
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		PY
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		NA
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		NA
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		NA
	Risk of bias judgement		Low
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		N
	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?		N
	4.3 Were outcome assessors aware of the intervention received by study participants?		PN
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?		NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?		NA

	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	NI
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	PN
	Risk of bias judgement	Some concerns
Overall bias	Risk of bias judgement	Some concerns

Supplementary Table 7 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Hundal et al. (2018) [22]

Ref or Label	Hundal et al. (2018) [22]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		Y
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		N
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		N
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		N
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		Y
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		PY
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		NA
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		NA
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		NA
	Risk of bias judgement		Low
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		N
	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?		N
	4.3 Were outcome assessors aware of the intervention received by study participants?		PN
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?		NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?		NA

	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	Y
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	N
	Risk of bias judgement	Low
Overall bias	Risk of bias judgement	Low

Supplementary Table 8 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Jadoon et al. (2016) [13]

Ref or Label	Jadoon et al. (2016) [13]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		Y
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		N
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		N
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		N
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		Y
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		Y
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		NA
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		NA
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		NA
	Risk of bias judgement		Low
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		N
	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?		N
	4.3 Were outcome assessors aware of the intervention received by study participants?		N
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?		NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?		NA

	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	PY
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	N
	Risk of bias judgement	Low
Overall bias	Risk of bias judgement	Low

Supplementary Table 9 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Miller et al. (2020) [16]

Ref or Label	Miller et al. (2020) [16]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		Y
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		N
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		N
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		N
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		Y
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		N
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		N
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		PY
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		PN
	Risk of bias judgement		Some concerns
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		PN
	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?		N
	4.3 Were outcome assessors aware of the intervention received by study participants?		N
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?		NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?		NA

	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	PY
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	N
	Risk of bias judgement	Low
Overall bias	Risk of bias judgement	Some concerns

Supplementary Table 10 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Taylor et al. (2020) [21]

Ref or Label	Taylor et al. (2020) [21]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		Y
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		PN
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		N
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		N
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		PY
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		N
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		N
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		Y
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		PN
	Risk of bias judgement		Some concerns
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		N
	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?		N
	4.3 Were outcome assessors aware of the intervention received by study participants?		NI
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?		Y
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?		PN

	Risk of bias judgement	Some concerns
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	Y
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	N
	Risk of bias judgement	Low
Overall bias	Risk of bias judgement	Some concerns

Supplementary Table 11 - Summary table of risk of bias assessment using Cochrane's RoB2 tool of Thiele et al. (2018) [18]

Ref or Label	Thiele et al. (2018) [18]	Aim	assignment to intervention (the 'intention-to-treat' effect)
Domain	Signalling question		Response
Bias arising from the randomization process	1.1 Was the allocation sequence random?		Y
	1.2 Was the allocation sequence concealed until participants were enrolled and assigned to interventions?		Y
	1.3 Did baseline differences between intervention groups suggest a problem with the randomization process?		N
	Risk of bias judgement		Low
Bias due to deviations from intended interventions	2.1. Were participants aware of their assigned intervention during the trial?		N
	2.2. Were carers and people delivering the interventions aware of participants' assigned intervention during the trial?		N
	2.3. If Y/PY/NI to 2.1 or 2.2: Were there deviations from the intended intervention that arose because of the experimental context?		NA
	2.4 If Y/PY to 2.3: Were these deviations likely to have affected the outcome?		NA
	2.5. If Y/PY/NI to 2.4: Were these deviations from intended intervention balanced between groups?		NA
	2.6 Was an appropriate analysis used to estimate the effect of assignment to intervention?		Y
	2.7 If N/PN/NI to 2.6: Was there potential for a substantial impact (on the result) of the failure to analyse participants in the group to which they were randomized?		NA
	Risk of bias judgement		Low
Bias due to missing outcome data	3.1 Were data for this outcome available for all, or nearly all, participants randomized?		N
	3.2 If N/PN/NI to 3.1: Is there evidence that result was not biased by missing outcome data?		N
	3.3 If N/PN to 3.2: Could missingness in the outcome depend on its true value?		Y
	3.4 If Y/PY/NI to 3.3: Is it likely that missingness in the outcome depended on its true value?		PN
	Risk of bias judgement		Some concerns
Bias in measurement of the outcome	4.1 Was the method of measuring the outcome inappropriate?		N
	4.2 Could measurement or ascertainment of the outcome have differed between intervention groups?		N
	4.3 Were outcome assessors aware of the intervention received by study participants?		N
	4.4 If Y/PY/NI to 4.3: Could assessment of the outcome have been influenced by knowledge of intervention received?		NA
	4.5 If Y/PY/NI to 4.4: Is it likely that assessment of the outcome was influenced by knowledge of intervention received?		NA

	Risk of bias judgement	Low
Bias in selection of the reported result	5.1 Were the data that produced this result analysed in accordance with a pre-specified analysis plan that was finalized before unblinded outcome data were available for analysis?	PY
	5.2 ... multiple eligible outcome measurements (e.g. scales, definitions, time points) within the outcome domain?	N
	5.3 ... multiple eligible analyses of the data?	PN
	Risk of bias judgement	Low
Overall bias	Risk of bias judgement	Some concerns