PEER REVIEW HISTORY

BMJ Open publishes all reviews undertaken for accepted manuscripts. Reviewers are asked to complete a checklist review form (http://bmjopen.bmj.com/site/about/resources/checklist.pdf) and are provided with free text boxes to elaborate on their assessment. These free text comments are reproduced below.

ARTICLE DETAILS

TITLE (PROVISIONAL)	A trauma-informed substance use and sexual risk reduction intervention for young South African women: a mixed-methods feasibility study	
AUTHORS	Myers, Bronwyn; Carney, Tara; Browne, Felicia; Wechsberg, Wendee	

VERSION 1 – REVIEW

REVIEWER	Kathleen J Sikkema
	Duke University United States
REVIEW RETURNED	18-Aug-2018
GENERAL COMMENTS	The primary purpose of this research was to utilize a mixed methods approach to assess the feasibility, acceptability and preliminary effects of a trauma-informed group intervention to reduce substance abuse and sexual risk, and improve mental health, among young women in South Africa. My comments are organized around three main issues: intervention, study design and feasibility conclusions, and interpretation of findings with regard to intervention approach. Intervention Focus
	The focus of the intervention is highly significant, and innovative in the South African context, particularly with regard to young women recruited through community outreach. Similar/related interventions have been conducted in the United States (e.g., Sikkema, Wyatt), as well as interventions in LMICs on gender based violence more broadly (e.g., Bass), that could be noted and utilized to bolster the unique population targeted in this intervention. The intervention content appears to have a strong conceptual/theoretical foundation that is not noted.
	Although the intervention development process paper is referenced, more information on the rationale for study format and content would be helpful for interpreting the findings. For example, given the focus on coping and skill development, what was the rationale for the two week intervention period, especially given the focus on skills development and behavior change over time? Was the case management intended for follow up on these skills / behavior change / mental health?
	Study Design
	A number of questions arise related to the study design that highlight potential limitations with regard to trial feasibility:
	- Although the flow diagram lists a number of reasons why women were ineligible, it is hard to understand

 andinterpret only 12% of participants screened being eligible for the study. This data in itself points out a potential key barrier with regard to feasibility of the intervention / recruitment, and seems critical for discussion and reconsideration. Among those screening, majority reports of trauma and more than half substance use, must one interpret that age, place of residence and no recent unprotected sex are main reasons for exclusion? If so, why not consider broadening inclusion to enhance scalability? The requirement that all three inclusion criteria be met does maximize the focus on intersecting risks, but may also limit intervention reach, when considering future implementation. Clarity of the study design earlier in the manuscript would be beneficial, as the reader needs both methods, results and tables to gather necessary information on the study. For example, it remains unclear to this reviewer what happens at the "one month" – on page 11, 75% complete the one-month and 93% the threemonth follow up. In other sections of the paper, relying primarily on the flow diagram, the one month appears to be the case management sessions following the group interventions and is not an assessment point. At the end of this paragraph, it states no baseline differences on those who completed one- and three – month appointments. Please distinguish assessment from intervention sessions. Related to above, the high level of follow up assessment completion (93%) is excellent. This supports the potential feasibility of an RCT, and should be further discussed. The one month appointment also had reasonable retention, although the only place I believe the second case management sessions is noted is the flow diagram.
Intervention attendance and conclusions on potential effect
 As noted, the single arm feasibility design is a significant limitation and conclusions cannot be drawn on the potential intervention effect. Most RCTS related to mental health / trauma, whether pilot or full scale trials, demonstrate a reduction (often significant) in the control/comparison condition whether it is a treatment as usual or treatment comparison. The improvements in mental health (with reliable and valid measures), and reduction in substance use and sexual risk are impressive. However, the issues with intervention attendance are of concern, and would suggest the intervention is not feasible, and consideration of modifications to the intervention are appropriate. Thus, a few recommendations to consider in interpretation and possible support of intervention feasibility and potential outcome, and whether possible approaches other than reduction to 3 sessions should be considered.

rr	
	 related to intervention exposure? If a 3 session intervention is proposed for a phase II RCT pilot trial, what pattern of potential effect exists for those receiving three or fewer sessions? While it is noted that 68% attended 3 or more, 55% attended 5 or more, and it is possible/likely that those with more intervention exposure contributed to the greatest reductions? o Were mental health outcomes examine for clinically significant changes? This could support finding without a comparison/control condition. o The qualitative findings suggest it was the brief 2 week period, rather than the six sessions, that
	week period, rather than the six sessions, that
	was the barrier to attendance. o The content of the two case management sessions is not presented, and it is also possible that these follow up intervention sessions contributed to the effect at follow up?
	 o Group sessions were not described as open or closed? If closed, were scheduling issues a barrier to groups? How were women able to make up missed sessions – does that suggest groups were open? These details and discussion of potential influences would assist in conclusion regarding feasibility and
	acceptability. o Quantitatively acceptability ratings might be useful, if available.
	 Almost half of the women were HIV positive. Since rapid HIV testing was conducted at enrollment (although not clear why, as it was not a study inclusion criteria), is this number based on study protocol testing? If so, were these women not aware of their HIV status? If newly diagnosed, were there any issues in group participation or intervention process? Also as per suggested above, an exploratory analysis as to whether HIV status influence intervention/study feasibility might be of interest.
	The qualitative interview quotes are interesting and enlightening, although more detail on various questions above would provide essential information on study design, intervention approach and rationale for conclusions and proposed intervention modifications. If necessary, fewer quotes could be included.

REVIEWER REVIEW RETURNED	Melissa Watt Duke Global Health Institute, Duke University, United States 04-Sep-2018	
GENERAL COMMENTS	This is a well written article presenting the results of a pilot feasibility trial of the trauma-informed Women's Health Co-op in Cape Town South Africa. The authors do an excellent job presenting data to evaluate the feasibility, acceptability and potential efficacy of the intervention in this setting. The study design is obviously limited by the single intervention condition with no comparison, but for the most part the manuscript is clear about this limitation. I have the following suggestions to improve the manuscript for publication.	

Abstract 1. In the abstract, the results and discussion should be more explicit that this was a single arm study design. Although this is stated in the design, someone who hones into the results section may miss this. Additionally, I am uncomfortable having reports of the robust pvalues in the abstract, as I think this overstates the findings. Without a comparison condition, there is no way to determine whether the significant change is due to the intervention exposure or to other factors (maturation, measurement bias, regression to the mean, etc.). Methods 2. It is unclear why the GRAMMS checklist was used, as this appears to be more geared to observational studies. More appropriate would be the CONSORT extension for pilot and feasibility trials (http://www.consortstatement.org/extensions/overview/pilotandfeasibility). 3. Please provide additional description of the two communities where the research was conducted. 4. Please provide additional description of the community-based street outreach techniques. Where was outreach conducted? How? Over what time period? 5. Do you have data on the number of women who were approached for screening, and the number who refused to take part in screening? 6. Please describe where the study activities (i.e., assessments and intervention) took place. 7. Please describe the modality of survey data collection, e.g., was it self- or interviewer- administered? 8. Please describe the process of forming the intervention groups. How many participants were assigned to each group? Were the groups closed or open? If a participant missed a group, was she able to make up a group session by participating in another group? Results 9. Regarding intervention exposure, please also report the number of participants (if any) who attended "0" sessions. 10. Overall, the qualitative data are reported very clearly and grounded in the data. However, there was one place where it feels that the authors overstep in advocating for the intervention - on page 13 "The intervention's person-centered approach helped participants...." 11. In the qualitative interviews, did insights emerge about challenges to attending the intervention, to add more context to the data presented in Fig 1? 12. I was surprised that your findings did not identify any patient-

level barriers to being part of a group intervention focused on trauma

histories. In reasons for missing groups (Fig 1), no one mentioned that they did not want to be part of a group, and reflection on the group modality was not mentioned in the in-depth interviews. In our qualitative work (Watt, Dennis et al, AIDS Behav 2017) we found very limited disclosure of sexual trauma experiences and high levels of shame and stigma related to IPV. Subsequent intervention work with women with sexual trauma histories (Sikkema, Mulawa et al, AIDS Behav 2018) found generally low uptake of a group modality due to concerns of stigma and privacy. In your pilot trial, did you assess comfort with the group setting (either through observations and/or debriefings?). If you found that a group modality was acceptable in this setting among a group of women with trauma histories, I would be interested in additional thoughts (perhaps in the discussion) about why you think it was effective and what was done to promote comfort and trust and in the group.
Discussion
13. In discussing a future RCT, you suggest (bottom of Pg 18) a modality of three sessions, one week part, with a six-week window to complete the program. To me, this suggests that it is not important that women are part of a cohort of participants – rather that they can be in an open group as long as they get exposure to three sessions. I would appreciate some reflection on the value of developing a peer group as part of the intervention, or whether you think that is unnecessary to have an impact on the target outcomes.
14. Given that this intervention is a modification of the WHC model (modified to be trauma-informed), I would be interested in a reflection on how the findings of this trauma-informed approach was similar or different from previous research with the WHC.

REVIEWER	Lori A. J. Scott-Sheldon	
	The Miriam Hospital/Brown University	
REVIEW RETURNED	14-Oct-2018	

GENERAL COMMENTS	This paper describes Stage I of Behavioral Intervention
	Development. The study uses mixed-methods to determine the
	feasibility of a novel trauma-informed substance use and sexual risk
	reduction intervention for South African women. Developing and
	testing interventions for women experiencing interpersonal violence
	is of great importance especially in a geographical region where (a)
	one in five women experience domestic violence and (b) rates of
	HIV among women are higher than among men. The paper will
	make an excellent contribution to the substance use-risky sex
	literature.
	I have several comments for your consideration.
	The authors state that there are "few programmes that offer an
	integrated approach to addressing [syndemic, intersecting risks]"
	(pg. 4). I would argue that there are more than a few programs that
	have addressed trauma/substance use/risky sex (see, for example
	a review by Scott-Sheldon et al. 2017;
	https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119057574.whb
	va074) but these pale in comparison to the broader research on
	behavioral HIV interventions.
	Biological samples were collected from participants which provided
	an objective measure of recent substance use but similar tests were
	not conducted for alcohol use. It's unclear why the investigators

used objective measures for some but not all substances. Alcohol can be detected in urine for up to 3-5 days if using a sensitive test of alcohol biomarkers (i.e., ethyl glucuronide and ethyl sulfate). The sample characteristics would be better presented as part of Table 1 (including results from the chi-square/t-tests completers and non-completers) rather than in the text (pg. 10-11).
Minor change: Subscript reference #18 in the first line of the discussion (pg. 16).

Reviewer 1	
The authors state that there are "few programmes that offer an integrated approach to addressing [syndemic, intersecting risks]" (pg. 4). I would argue that there aremore than a few programs that have addressed trauma/substance use/risky sex (see, for example a review by Scott-Sheldon et al. 2017; but these pale in comparison to the broader research on behavioral HIV interventions.	Thank you for this comment. We have gone back to the literature, including the review you recommended we look at. We have revised the introduction to clarify that there are few (rather than no) interventions that address psychological trauma and substance use and sexual risk as main outcomes, particularly in LMIC settings. We have also clarified that the focus of our intervention is on psychological trauma rather than violence prevention.
Biological samples were collected from participants which provided an objective measure of recent substance use but similar tests were not conducted for alcohol use. It's unclear why the investigators used objective measures for some but not all substances. Alcohol can be detected in urine for up to 3-5 days if using a sensitive test of alcohol biomarkers (i.e., ethyl glucuronide and ethyl sulfate). The sample characteristics would be better presented as part of Table 1 (including results from	We agree that the lack of a reliable measure of recent alcohol use is a limitation. We lacked the resources for EtG and Peth testing in this small study, but have noted this as a limitation and something that needs to be addressed in future studies (in the discussion) Thank you for this observation- we have changed the text accordingly
the chi-square/t-tests completers and non- completers) rather than in thetext (pg. 10-11). Reviewer 2:	
Abstract <u>1.In</u> the abstract, the results and discussion should be more explicit that this was a single arm study design. Although this is stated in the design, someone who hones into the results section may miss this. Additionally, I am uncomfortable having reports of the robust p-values in the abstract, as I	Thank you for this observation. We have revised the abstract to remove references to p values and to emphasise that this was a single arm design

VERSION 1 – AUTHOR RESPONSE

think this overstates the findings. Without a	
comparison condition, there is no way to determine	
whether the significant change is due to the	
intervention exposure or to other factors (maturation,	
measurement bias, regression to the mean, etc.).	
Methods	While not using a randomised design, we
2.It is unclear why the GRAMMS checklist was used,	have changed our checklist and now use the
as this appears to be more geared to observational	Cohort extension for randomised pilot and
studies. More appropriate would be the CONSORT	feasibility trials
extension for pilot and feasibility trials	
3. Please provide additional description of the two	We have added some additional
communities where the research was conducted.	information. We have not named the
	communities as this was a requirement for our
	ethical clearance.
4.Please provide additional description of the	We have added some additional information
community-based street outreach techniques. Where	about our recruitment strategy. The
was outreach conducted? How? Over what time	references we have listed also describe the
period?	methods in greater detail.
5.Do you have data on the number of women who	Unfortunately we did not keep detailed
were approached for screening, and the number who	accounts of the number of women
refused to take part in screening?	approached for and who declined
	screening. This is something we will strive to
	correct in future studies.
6.Please describe where the study activities (i.e.,	This has been added to the methods section.
assessments and intervention) took place.	
7.Please describe the modality of survey data	This has been added to the description of the
collection, e.g., was it self- or interviewer-	methods.
administered?	
8.Please describe the process of forming the	Thank you for identifying this gap. We have
intervention groups. How many participants were	added more information to our description of
assigned to each group? Were the groups closed or	the groups under the Intervention sub-
open? If a participant missed a group, was she able	section and also in the discussion
to make up a group session by participating in	
another group?	
Results	We have added this information to the text.
9.Regarding intervention exposure, please also	
report the number of participants (if any) who	
attended "0" sessions.	
10.Overall, the qualitative data are reported very	We agree with this comment and have revised
clearly and grounded in the data. However, there	the text so that we do not overstate the value
was one place where it feels that the authors	of the intervention.

overstep in advocating for the intervention – on page	
13 "The intervention's person-centered approach	
helped participants"	
11.In the qualitative interviews, did insights emerge	We did not explore this in great detail during
about challenges to attending the intervention, to add	the interviews as we had examined some of
more context to the data presented in Fig 1?	this information in our initial formative
	work. Participants did describe their level of
	comfort with participation (discussed below)
12.I was surprised that your findings did not identify	Thank you for this reflection. We have gone
any patient-level barriers to being part of a group	back to the qualitative data to examine
intervention focused on trauma histories. In reasons	whether any other factors impacted on
for missing groups (Fig 1), no one mentioned that	comfort with participation. We found that
they did not want to be part of a group, and reflection	group-related issues did emerge for some
on the group modality was not mentioned in the in-	participants (particularly around stigma,
depth interviews. In our qualitative work (Watt,	knowing other women, and being able to
Dennis et al, AIDS Behav 2017) we found very	relate to other women's experiences). We
limited disclosure of sexual trauma experiences and	have added this to the results section. In the
high levels of shame and stigma related to IPV.	discussion, we have also added some
Subsequent intervention work with women with	thoughts on how switching from a group to an
sexual trauma histories (Sikkema, Mulawa et al,	individual format may enhance participation
AIDS Behav 2018) found generally low uptake of a	for those women who are concerned about
group modality due to concerns of stigma and	being in a group
privacy. In your pilot trial, did you assess comfort	
with the group setting (either through observations	
and/or debriefings?).	
Discussion	This is an important point. We have expanded
13.In discussing a future RCT, you suggest (bottom	this section of the discussion to clarify. Given
of Pg 18) a modality of three sessions, one week	that the group format could have adversely
part, with a six-week window to complete the	impacted on treatment completion, we are
program. To me, this suggests that it is not important	proposing switching to an individual
that women are part of a cohort of participants –	format. We do believe that peer support
rather that they can be in an open group as long as	groups offer a potentially efficient way of
they get exposure to three sessions. I would	extending the gains of a short-term individual
appreciate some reflection on the value of	programme, particularly for ongoing skills
developing a peer group as part of the intervention,	development and rehearsal but that more
or whether you think that is unnecessary to have an	formative work is needed to ensure the
impact on the target outcomes.	groups are acceptable to potential service
	users.
14.Given that this intervention is a modification of the	This is an interesting consideration. We
WHC model (modified to be trauma-informed), I	would need to compare the effects of the
would be interested in a reflection on how the	original 2 session WHC with the trauma-
findings of this trauma-informed approach was	focused WHC for participants with similar
intuings of this trautha-monthed approach was	

similar or different from previous research with the WHC.	characteristics. The original WHC targeted a different age group and risk profile so we are unable to answer this question at this time, but have highlighted it as an area for future research.
Reviewer 3:	
Intervention focus: Similar/related interventions have been conducted in the United States (e.g., Sikkema, Wyatt), as well as interventions in LMICs on gender based violence more broadly (e.g., Bass), that could be noted and utilized to bolster the unique population targeted in this intervention.	Thank you for the positive responses. We have added a few sentences to the introduction and to the discussion highlighting how our target population is unique and how our intervention's focus on psychological trauma, substance use and sex risk differs from interventions focused on violence prevention, substance use and sex risk.
The intervention content appears to have a strong conceptual/theoretical foundation that is not noted. Although the intervention development process paper is referenced, more information on the rationale for study format and content would be helpful for interpreting the findings. For example, given the focus on coping and skill development, what was the rationale for the two week intervention period, especially given the focus on skills	We have now addressed this oversight to the description of the intervention. We have added more information on why a 2 week intervention period was selected. We have also noted that the addition of the peer support groups could support the continued development and reinforcement of new skills (in the discussion).
development and behavior change over time? Was the case management intended for follow up on these skills / behavior change / mental health?	We have clarified the role of case management in the methods section. This was to check-in with women, to explore any possible barriers to change and provide additional linkages to services.
Although the flow diagram lists a number of reasons why women were ineligible, it is hard to understand and interpret only 12% of participants screened being eligible for the study. This data in itself points out a potential key barrier with regard to feasibility of the intervention / recruitment, and seems critical for discussion and reconsideration. why not consider broadening inclusion to enhance scalability? - Clarity of the study design earlier in the manuscript	We agree and have noted this limitation and impact on the feasibility of recruitment for a future trial and scale up. We have noted that we will relax these criteria to reach more women who may need these services. In the methods we have also clarified the main reasons for ineligibility.

 would be beneficial, as the reader needs both methods, results and tables to gather necessary information on the study. For example, it remains unclear to this reviewer what happens at the "one month" – on page 11, 75% complete the one-month and 93% the three- month follow up. In other sections of the paper, relying primarily on the flow diagram, the one. Please distinguish assessment from intervention sessions. 	Thank you for this observation. We have provided additional information and have corrected some errors in terms of how these contact points were described.
Related to above, the high level of follow up assessment completion (93%) is excellent. This supports the potential feasibility of an RCT, and should be further discussed. The one month appointment also had reasonable retention, although the only place I believe the second case management sessions is noted is the flow diagram.	Thank you- we now discuss the retention rate in the discussion. We also now describe the second case management visit in the text.
Were any exploratory analyses completed related to intervention exposure? If a 3 session intervention is proposed for a phase II RCT pilot trial, what pattern of potential effect exists for those receiving three or fewer sessions? While it is noted that 68% attended 3 or more, 55% attended 5 or more, and it is possible/likely that those with more intervention exposure contributed to the greatest reductions?	We have conducted exploratory analyses related to intervention exposure. We found similar outcomes for those who attended 3 or fewer sessions to those who attended 4 or more sessions. We have added this information to the paper.
Were mental health outcomes examine for clinically significant changes? This could support finding without a comparison/control condition. The qualitative findings suggest it was the brief 2 week period, rather than the six sessions, that was the barrier to attendance.	We have now examined the depression outcome for clinically significant change, which we identified. This is now reported This has been clarified in the text.
The content of the two case management sessions is not presented, and it is also possible that these follow up intervention sessions contributed to the effect at follow up?	We have clarified the content of the case management sessions. It is possible that these contacts contributed to change- we hope we have highlighted now that without a definitive trial we will not know whether the changes we note are due to the intervention.

Thank you. This was raised by another
reviewer and has been addressed in the
methods, results and discussion.
We agree but unfortunately did not include
this in our quantitative assessments
We wereinterested to see whether HIV status
impacted on response to the programme and
also to link women to required sexual
and reproductive health services, hence HIV
testing was conducted. The testing results
were based on the protocol testing (not self-
report data)- this has been clarified in the
paper. About a third of the women who were
positive were diagnosed as a result of their
involvement in this study. We have conducted
an exploratory analyses and found no
differences in intervention /study feasibility as
a result of HIV status (generally), but women
who were newly diagnosed were less likely to
complete treatment. This has been reflected
upon in the discussion.

VERSION 2 – REVIEW

REVIEWER	Kathleen Sikkema
	Duke University USA
REVIEW RETURNED	25-Nov-2018

GENERAL COMMENTS	The authors have been highly responsive in revision and substantially improved the manuscript. This is particularly true in the presentation of the study design, exploratory nature of the findings given no control/comparison condition, and limitations acknowledged in the discussion. Further question and suggestions for consideration:
	1. First point in "Article Summary" should be "explore" rather than "compare" given the one condition nature of the study design.
	2. A remaining key issue is related to intervention exposure and the resulting conclusion to examine the effect of a 3 session intervention in a phase II trial. The presentation of descriptive intervention exposure data (second paragraph Results) used a different cutoff (68% 3 or more) than the outcome analysis (4 or more vs 3 or less).

It is not clear why this cutoff was used for the analysis and why the intervention exposure data is not presented in parallel to support the analysis and conclusions. The average number of sessions attended was 4, so this might be part of the rationale, but why are 3 sessions then recommended? Since the exploratory findings suggests 3 or less has the same potential effect as 4 or more, on what was the decision to recommend 3 sessions based?
Of note, the figures are not included in the pdf and I am not able to find them online. It may be that this data is presented clearly in that figure, my apology if it was included. Also, sample sizes are needed in subanalysis in Table 2 for 3 or less vs 4 or more sessions. I would recommend a consistent manner of presenting intervention exposure and the exploratory analysis, to support the 3 session recommendation.
Related to above point, the qualitative response recommended the intensity of the intervention be reduced, although not the number of sessions. Curious whether this might not fully support the move to 3 sessions?
3. In addition, the case management visits are now described but details are not presented on exposure and whether these sessions were considered in the intervention dosage analysis. Is it recommended that these sessions be included in the phase II trial, or does data support they are not necessary?

REVIEWER	Lori Scott-Sheldon
	The Miriam Hospital and Brown University USA
REVIEW RETURNED	20-Nov-2018
GENERAL COMMENTS	I appreciate the authors careful revision of the above referenced manuscript; the manuscript has been substantially improved by the

,	n sufficiently addressed and I
nave no further concerns, comments, of manuscript.	or suggestions regarding this

VERSION 2 – AUTHOR RESPONSE

Reviewer 1	
1. First point in "Article Summary" should be "explore" rather than "compare" given the one	Thank you for this, we have made the change.
condition nature of the study design.	
2. A remaining key issue is related to intervention	Thank you for this observation. We can see
exposure and the resulting conclusion to examine the effect of a 3 session intervention in a phase II	how our description of the cut off and rationale for using this cut-off was unclear. We have re-
trial. The presentation of descriptive intervention	looked at the data and now propose using a
exposure data (second paragraph Results) used a	cut off of 4 group sessions (given that this is
different cutoff (68% 3 or more) than the outcome	the average number of sessions attended)- so
analysis (4 or more vs 3 or less). It is not clear why this cutoff was used for the analysis and why the	we now compare outcomes among participant who received up to four sessions and those
intervention exposure data is not presented in	who received five or more sessions. As there
parallel to support the analysis and conclusions. The	were no differences observed for participants
average number of sessions attended was 4, so this might be part of the rationale, but why are 2 aparians	who received fewer sessions (up to 4), we
might be part of the rationale, but why are 3 sessions then recommended? Since the exploratory findings	have proposed reducing the number of groups to 4.
suggests 3 or less has the same potential effect as 4	

or more, on what was the decision to recommend 3 sessions based? Of note, the figures are not included in the pdf and I am not able to find them online. It may be that this data is presented clearly in that figure, my apology if it was included. Also, sample sizes are needed in subanalysis in Table 2 for 3 or less vs 4 or more sessions. I would recommend a consistent manner of presenting intervention exposure and the exploratory analysis, to support the 3 session recommendation.	All of these changes are reflected in the results and discussion (and Table 2). Table 2 also includes the sample sizes. We have also checked that the figure is now included in the submission.
Related to above point, the qualitative response recommended the intensity of the intervention be reduced, although not the number of sessions. Curious whether this might not fully support the move to 3 sessions?	Yes, participants in the qualitative interviews did not explicitly discuss the preferred number of groups. We agree that our discussion may have brushed over this and not adequately reflected that their focus was on the intensity of the programme. We hope that our edits to this section have made this clearer.
3. In addition, the case management visits are now described but details are not presented on exposure and whether these sessions were considered in the intervention dosage analysis. Is it recommended that these sessions be included in the phase II trial, or does data support they are not necessary?	We apologise for this omission, which we have now corrected. Although we did not consider the case management activities as part of the intervention, we acknowledge that this additional contact may have impacted on outcomes. We have explored whether receipt of case management was associated with better outcomes- we found limited evidence in support of this. This has been presented in the results section (but not in a table). Despite few differences, as we found a trend towards better retention of people who received case management, we propose retaining these activities in a phase 2 trial. This has been added to the discussion.

VERSION 3 – REVIEW

REVIEWER	Kathleen Sikkema Duke University United States
REVIEW RETURNED	11-Dec-2018
GENERAL COMMENTS	Authors have been responsive to comments and suggestions, and
	have nicely integrated edits into this revision.