Author’s response to reviews

Title: The evaluation of the use of a new Physical Health Plan (PHP) for people with psychosis: Protocol for a Quality Improvement study

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Author’s response to reviews:

Reviewer reports:

Thanks for completing the revisions; those have improved the charity of this article immensely. However there are some repetitions in places and the flow of the article could be improved. Please address the comments below.

Thank you for your helpful comments. We have addressed these as below.

Background, second para, the sentence - Although the UK has primary and secondary care incentivisation strategies for screening and intervening, there is no nationally agreed template for managing identified physical health issues. this sentence is not clear. Please can you expand and add relevant references.

This sentence has been amended and reference added

Background, third para - Wellness Recovery Plans (WRAP) - Please can you explain to the reader what this tool is and what is it use for.

An explanation of WRAPs has been added.

Method, Design, first para - the sentence "This is a multi-phase study using the Medical Research Council (MRC) framework for the evaluation of complex interventions (16), incorporating
Quality Improvement principles – in our case, the intervention is the use of the PHP and any subsequent actions taken. This sentence is not clear, please revise.

The sentence has been revised.

Method, Design, first para - The MRC framework [add reference] recommends .......

Reference added

Method, The intervention - please move and combine this section with the heading The Physical Health Plan (PHP). Use the TIDieR Checklist for describing the intervention.

These sections have been combined and the TIDieR checklist used to describe the intervention. We have not used all of the TIDieR items (eg 5 and 11 as these are not relevant to this study).

If you have followed the SPIRIT checklist in writing this protocol, please make it clear manuscript that was the case.

We have completed a SPIRIT checklist for the protocol which is available in additional file 1

Heading, The Physical Health Plan (PHP), the sentence - The PHP is designed so that it can be responsive to changes in guidelines and recommended good practice. Not clear how this is done, does someone has to review the literature and update the tool? Please explain.

We have added a sentence to explain that we will regularly review the evidence and update the PHP as necessary.

Heading, The Physical Health Plan (PHP), second para, first and second sentences are repetitions, please revise.

This has been revised.

Method, Development of the PHP - The PHP was designed by research team members (JW, FG) using information from available resources including: and four resources described. Are these
just information resources or alternative tools, that are used by or can be used by who. How PHP differ from these? Please explain

We have added a paragraph to explain these sources and how they differ from the PHP.

Heading, Theory of change - first sentence should come after you have introduce what ToC is to the reader.

This has been changed.

Theory of change, last para, first sentence - The ToC will be shared with service users a ...... This sentence is not clear. Please revise.

This sentence has been revised.

Theory of change, last para, second sentence - This approach will allow us to check and ‘validate’ the assumptions and understanding that the ...... This sentence is not clear. Please revise.

This has been revised.

Implementation framework - add reference to RE-AIM framework and describe how this framework was applied in your study.

Reference and description of use of RE-AIM added.

setting - provide reference to Care Programme Approach and explain what it is to the reader.

Reference and description of CPA added

Procedure - please include a subheading describing the plan recruitment process. Last sentence, under heading setting - The researchers undertaking this study .... should be moved under recruitment process.

A subheading has been included and this sentence moved.
Stage 1: Initial qualitative work to refine and validate the Theory of Change. Please provide the inclusion criteria clearly. Please describe your plans for training the staff on PHP.

We have added a sentence to state that our only inclusion criteria is participants are able to give informed consent. We will not give specific training to staff on the PHP but the focus groups for staff are designed to give staff information on the PHP and discuss with them how the PHP will be used in each team.

The PHP platforms, Table 1 - please add who will have access to each of these platforms.

We have added a sentence in the paragraph before Table 1 to make it clear that all platforms will be available to all participants and they can choose which platform they would like to use.

Outcomes - please describe how you plan collect data on these outcomes?

We have added a paragraph on page 16 to explain how the outcome data will be collected.

Stage 3: qualitative evaluation of the use of the PHP. Please add how many interviews you anticipate in doing? Please provide more information on planned interviews, for example semi-structured?

As we do not know at this stage how many participants will complete a PHP we are unable to say how many interviews we will do-we have added a sentence to state that we do not anticipate more than 20 interviews. We have added that the interviews will be semi-structured.

Patient and public insolvent - should be incorporated into intervention development and other appropriate headings

Please describe the analysis of quantitative and qualitative data separately under two subheadings.

We have revised these so that there are two headings.

Analysis, last para - The information from the exploratory ........ move to discussion section.

This has been moved.