Reviewer's report

Title: Primary Care-Based Educational Interventions to Decrease Risk Factors for Metabolic Syndrome for Adults with Serious Mental Illness: A Systematic Review

Version: 3 Date: 2 November 2013

Reviewer: Gary Cooney

Reviewer's report:

Thank you for addressing the points previously made in my earlier review. I do think the revisions go some way towards addressing these.

I still feel somewhat uneasy about the use of the term "Serious Mental Illness" - I think really what is under discussion here in major psychotic and/or affective disorder. I think particularly in psychiatry where we do not have objective diagnostic markers, it is important to be precise and somewhat pedantic in use of language.

If there is no accepted definition of Serious Mental Illness, then the question should be whether it is an appropriate term to use. Major affective/psychotic disorders seems a reasonable alternative. Otherwise an explicit sentence in the background saying something like "there is no consensus definition of what constitutes serious mental illness, but in this paper this term refers to the following conditions: ) Giving examples goes some way towards this but perhaps is not enough. The section where you list the diagnoses with the DSM-V codes really strengthens the piece and if brought out earlier to bring clarity to the definition of serious mental illness would likely help. As I mentioned before one of the most serious of all mental illnesses is anorexia nervosa, but this is clearly not the subject of your discussion here.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests