Reviewer’s report

Title: A Comparison of a Social Support Physical Activity Intervention in Weight Management among Post-partum Latinas

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Reviewer: Diane Berry

Reviewer’s report:

Overall the manuscript is well written and provides much needed insight into Latina women postpartum weight retention leading to increasing levels of overweight and obesity. The questions posed by the authors are well defined and methods are appropriate and well described. The data analysis is sound and includes positive and negative results. The authors never made it clear if the intervention was taught in Spanish and if the instruments were in Spanish. The participants low literacy level would lead the reader to believe that the instruments were read to the participants. This should be clarified for the reader. A weakness is that the control group was not an equal attention control group, which would have added strength to the study and should be mentioned as a limitation. The reader would appreciate more information on why the decision was made to go with 10 hours a day for useful data in accelerometers and reference other studies that have used the same approach. Body composition under outcome variables discusses the use of BIA. BIA is very variable and sensitive to time of day, hydration, age and muscle mass, therefore in future studies, the use of multi-site skinfold measurements or a BodPod if available would be an improvement. In this study mention the limitations with using BIA. Depression symptoms under outcome variables should include information on when patients were referred to psychiatry for follow-up and if there was a depression algorithm used to aid in that decision making. It was also never mentioned if there was an algorithm for domestic violence that may have been found throughout the course of the study. The neighborhood evaluation was fascinating and well done. The data analysis is sound and includes positive and negative results. The article would flow much smoother if the statistics in the text were moved to the tables so that readers can compare and contrast. The discussion section could be strengthened by bringing in more studies that were similar and different. It would be helpful to the reader if study limitations were added. Please add p levels to the tables.

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.