



Developing a Causal Model of Self-Care Behaviors Based on Self-Compassion with Psychological Distress Mediation in Women and Men with Type 2 Diabetes

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1. Round 1

1.1 Reviewer 1

Date: 01 November 2023

Reviewer:

The manuscript would benefit from a more detailed explanation of the sampling strategy, particularly regarding the representation of the target population. Clarifying how the convenience sampling method might affect the generalizability of the findings would strengthen the study's implications.

While the structural equation modeling approach is appropriate, the manuscript could provide further details on the model selection process and justification for choosing the specific indicators for latent variables. This would enhance the readers' understanding of the analytical choices and their impact on the study's conclusions.

The discussion section could be enriched by a more comprehensive integration of the findings with the existing body of literature on diabetes self-care. Comparing and contrasting the study's results with previous research findings could offer a deeper insight into the unique contributions of this study.

Authors revised the manuscript and uploaded the updated document.

1.2 Reviewer 2

Date: 30 October 2023

Reviewer:

The manuscript would benefit significantly from a more comprehensive theoretical framework that situates the study within the broader context of health psychology and behavioral medicine. A deeper exploration of the theoretical underpinnings of self-compassion and psychological distress in the context of chronic illness management would provide a stronger foundation for the study.

Given the complexity of the proposed causal model, a thorough reevaluation of the methodological approach is warranted. This includes a more detailed justification for the sample size, considering the power analysis for structural equation modeling, and potentially expanding the sampling strategy to enhance the representativeness and diversity of the study population.

The manuscript could benefit from the application of more advanced statistical techniques to test the proposed model. For instance, multi-group analysis to compare models across genders more rigorously or the use of latent growth modeling to explore changes in self-care behaviors over time could provide deeper insights.

The manuscript should include a more extensive review of relevant literature, particularly focusing on previous research that has explored the role of self-compassion and psychological distress in chronic disease management. This could help in positioning the study more clearly within the existing body of knowledge and identifying how it advances our understanding of these constructs in the context of type 2 diabetes.

The discussion section should be expanded to elaborate on the clinical implications of the findings, including how self-compassion interventions could be tailored to different genders and integrated into comprehensive diabetes management programs.

Authors revised the manuscript and uploaded the updated document.

2. Revised

Editor's decision after revisions: Accepted.

Editor in Chief's decision: Accepted.