

# Compilation of the causal model of self-care behaviors based on life events and perceived social support with the mediation of psychological distress in women and men with type 2 diabetes

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## Reviewers

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## 1. Round 1

### 1.1. Reviewer 1

Reviewer: The study highlights the importance of psychological counselors in diabetes treatment teams and recommends their involvement in designing interventions considering these psychological factors. However, please consider the following comments before publication.

#### Strengths

**Research Significance:** The study addresses a critical aspect of diabetes management, focusing on psychological factors influencing self-care behaviors.

**Comprehensive Methodology:** The use of structured questionnaires for a sizeable sample size provides robust data for analysis.

**Gender Consideration:** The study's focus on gender differences in diabetes self-care is commendable, providing valuable insights.

#### Weaknesses

**Sampling Method:** The convenience sampling method may limit the generalizability of the findings.

Cross-sectional Design: The study's design restricts the establishment of causality between the variables.

Self-reported Measures: The reliance on self-reported data for psychological distress and self-care behaviors could introduce bias.

Recommendations

Longitudinal Studies: Future research should adopt longitudinal designs to establish causality.

Diverse Sampling: Including participants from various regions could enhance generalizability.

Objective Measures: Incorporating objective measures alongside self-reports could strengthen the validity of findings.

Authors revised and uploaded the document.

## 1.2. Reviewer 2

Reviewer: Overall, the article investigates the interplay of psychological factors in diabetes self-care. While the research provides valuable insights, certain methodological and scope limitations are noted.

Key Observations

Relevance: The study addresses an under-explored area in diabetes care, emphasizing the role of psychological factors.

Data Analysis: The application of structural equation modeling enhances the rigor of data interpretation.

Practical Implications: Findings underscore the need for psychological support in diabetes management.

Areas for Improvement

Sample Diversity: The study is geographically limited to Tehran, which might not represent the broader population.

Age Range: Focusing on 40-60 years age group may exclude insights from younger and older individuals with diabetes.

Theoretical Framework: The study could benefit from integrating more comprehensive psychological theories.

Suggestions for Enhancement

Expanding the Research Scope: Future studies should include a wider demographic to increase the applicability of the findings.

Incorporating Mixed Methods: Qualitative insights could enrich the understanding of the psychological aspects of diabetes care.

Broader Theoretical Integration: Adopting a more diverse theoretical framework could provide a deeper understanding of the observed phenomena.

Authors revised and uploaded the document.

## 2. Revised

Editor's decision after revisions: Accepted.

Editor in Chief's decision: Accepted.