Reviewer’s report

Title: Cardiovascular Risk Factors among High-Risk Individuals Attending the General Practice at King Abdulaziz University Hospital: A Cross Sectional Study

Version: 0 Date: 25 Mar 2019

Reviewer: Nuriye Kupeli

Reviewer's report:

Dear Editor,

Thank you for your invitation to review the manuscript titled "What Motivates Caregivers of Alzheimer Patients: A Qualitative Study". This qualitative paper explored carers motivations for caring for people living with Alzheimer's disease. This paper requires some considerable changes before publication.

General points:

- The authors should proof read and correct some minor grammatical errors (some grammatical errors noted in quotes - these can be corrected without losing the meaning of what is being conveyed)

- It is not common to refer to people living with dementia as "Alzheimer's patients", I would generally use the term people living with Alzheimer's disease

Introduction

The introduction provides a short summary of the literature, but it fails to provide a strong argument as to why this study is needed. The authors touch on positive motivating factors but do not elaborate on what these might be and how they may be associated with good quality care. The authors should also discuss if and how motivating factors may differ between health care professionals and family carers. The authors argue that experiences, perceptions and beliefs cannot be quantified, which is not necessarily true as there are numerous scales developed to assess carer experiences, and thus why a qualitative study is needed. Would understanding better carers' motivations for caring help develop/tailor interventions to tap into these factors? Also, it is not clear why the authors focussed on people living with AD and not dementia as a more broad diagnosis? Do the authors think that carers of people with AD have different motivating factors to carers of people living with other diagnoses of dementia?
Method

The methods section is well structured and the following changes would help improve reader understanding:

- Why did the study require bilingual members of the research team if all interviews were conducted in the same language? If the interviews were not conducted in the same language then this needs to be stated and who translated the data. For publication, who translated the quotes to English and were they back-translated to ensure accuracy?

- The first sentence of the data analyses section refers to "Alzheimer's and dementia patients" - if the authors recruited people who care for people living with dementia (and did not restrict to those who are for people living with AD) then I would suggest revising the title and the manuscript to reflect this.

Findings

- Table 1: what is the difference between occupation and kind of caregiving? Did you recruit professional carers who discussed their experiences of caring for a family member instead of a service user?

- Before you proceed to presenting the themes and corresponding quotes, I would recommend summarising the themes which were identified from the data

- The section beginning "the feeling of self-sacrifice…" although does reflect motivating factors relating to morality, this quote also suggests that this individual lacks trust of the care provided in residential/nursing homes.

- It is not clear what the authors mean by the theme labelled "Iniquitous incentives" - the first quote for this theme doesn't fit well under this label. This quote suggests that there is a forced obligation to take care of elderly in-laws. Also the final quote of this theme suggests that certain family members (and not family carers per se) take advantage of a person living with dementia for their own financial gains. Therefore this is not necessarily the family carers motivations but that of others.
Discussion

The discussion is well structured and provides a good in-depth summary of the findings, the implications of these findings for research and clinical practice and the strengths and limitations of this study. The authors reflect on social capital and how professional carers utilise their role to form a social network. It is important for the authors to discuss the implications of these findings for practice. Would facilitating/encouraging social networks of both professional and family carers to form alleviate the burden of caring?

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published
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