

# Review of: "Associations between direct contact with the oil and worsened health indicators after Deepwater Horizon oil spill: Results from Gulf States Population Survey"

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Potential competing interests: No potential competing interests to declare.

Thank you for the opportunity to review this manuscript. This manuscript is valuable but needs correction in various parts.

## Title and abstract

1. Please report the design and the time of sampling in the abstract.
2. Instead of the mean age, report the mean of the main variables according to the purpose of the study.
3. The keywords are not correct. It must match the MeSH.

## Introduction

1. The purpose of the study should be mentioned in the last paragraph of the introduction. How to conduct the study is related to the method section.
2. Need to state what the gap in the literature is and how this study helps to fill the gap in knowledge.

## Method

1. This study was done in 2010!!!! When was the exact time of data collection?
2. What were the inclusion and exclusion criteria?
3. How many people were interviewed?
4. Who did the interview?
5. The type and design of the study are not clear.
6. The researchers did not use any standard questionnaire to collect data!!
7. If researchers have used a researcher-made questionnaire, they should have reported the validity and reliability of the questionnaire.

## Result

1. It seems that structural equations need to be used. The relationships between variables and the mediating role of variables are clarified using structural equations.

## Discussion

1. The discussion is not well presented. Reasons for similarities and differences between studies need to be discussed.
2. What is the advantage of your study compared to other studies in this field?
3. It is necessary to mention the strengths of the study.