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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This is a timely study on disaster and health, and in particular how the Deepwater horizon oil spill is linked to mental and physical health and, by extension, quality of life.

there are a few things we can review.

1. it needs to be clearer how the toxic chemicals in DHOS are causing financial losses and why they are causing mental health problems. Furthermore, it seems that there are many factors other than financial losses. Considering the various causes of mental health problems mentioned in the results, we can expect deprivation of work, life changes, mental health difficulties due to physical health problems, family conflicts, etc. If you have any research on this, you may want to include it.

2. What is the operational definition for measuring mental disability, and from which literature are the questions to determine this derived?

3. QoI is a poor quality of life, but the questionnaire consists of questions about physical health problems and mental health problems rather than adaptation to life or quality of daily life space. It should be made clear how this can be distinguished from the physical health and mental health questions presented above.

4. Marriage and household income are mentioned as factors that may protect against oil contact. This resource is very helpful in contemplating what interventions are needed in a social disaster that has already occurred.

5. in the context of interpretation within the wider literature, Kaufman et al. (2019) mention why oil contact is associated with an increase in depression? This could be discussed in more depth and this would allow for a thicker interpretation of why the difficulties with mental problems in this study occurred.