Reviewer’s report

Title: Development and Initial Psychometric Evaluation of the Computer-Based Prostate Cancer Screening Decision Aid Acceptance Scale for African-American men

Version: 0 Date: 28 Jan 2019

Reviewer: Randi M. Williams

Reviewer's report:

Overall, this is a well-written paper describing the development and validation of a measure used to assess the acceptance of a computer-based prostate cancer screening decision aid among African American men. Given the burden of the disease in this population and the importance of informed decision-making, developing tools validated in this priority population are needed and can help to provide process evaluations for future computer-based interventions aimed at promoting informed decision making in this group. Minor comments/edits for the author's consideration are included below.

Abstract - consider using the term culturally validated measure in the first sentence of the background.

Background, pg. 4, line 5 - add the term 'decision-making' to the statement.....'in the PrCA screening process' so that it reads 'in the PrCA screening decision-making process'.

Measure, pg 9, line 7 - remove 'at' and replace with 'a' in the statement '...is at 24-item scale assessing the acceptance...'.

Measure, pg 9, line 19 - Consider rewording the last sentence in this paragraph to read 'For each item within the 24-item scale, the mean responses ranged from 2.2 to 4.46'. Also it may be useful to move this to the Results section, describing the item characteristics.

Data Analysis, pg 10, line 56 - fix the typo in the statement '....which measures difference the between the observed correlation...'

Discussion, pg 15, line 39 - Please confirm that the Czaja et al study found that lower self-efficacy was associated with higher technology use. What type of self-efficacy was measured in this study?

Were any items asked as a part of the larger pilot regarding their general computer or internet use? Was there an eligibility criteria (e.g., computer access) for the larger study? It would be useful to know the technology use/patterns of this sample in general (add to Table 1). Since there is discussion about patterns of use among African Americans, if this type of data were captured, it may be useful to add to the paper to help characterize the sample.
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:

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