Reviewer's report

Title: Measuring factors affecting implementation of health innovations: A systematic review of structural, organizational, provider, patient, and innovation level measures

Version: 5 Date: 31 October 2012

Reviewer: Laura Damschroder

Reviewer's report:

This draft of the manuscript has significantly improved. The high quality writing and organization result in a very clear and accessible paper that will be of interest to a broad spectrum of readers. Thank you for your very thorough work on this and your attention to all the reviewers’ comments. Table 1 is a treasure-trove of information.

Minor Revisions:

I do still struggle with the term “Structural” to mean External Context (Pettigrew, A. M., R. W. Woodman and K. S. Cameron (2001). "Studying organizational change and development: Challenges for future research." Academy of Management Journal 44(4): 697-713.) or Outer Setting (CFIR). There are many researchers who refer to structural characteristics of organizations… it might be good to at least qualify “Structural” as e.g., “External Structure” or “Outer Structure”

ABSTRACT

1. A picky wording suggestion # Method: Change “an adapted” to “a modified” – you are proposing a modified framework – it’s not adapted to a particular setting.

2. Results: adoption may not be the best example because it is controversial as an implementation outcome – though it is included in the list from Procter and colleagues’ paper. You cite its definition later in your paper: the “intention, initial decision, or action to try or employ an innovation or evidence-based practice” …which implies it is an antecedent to implementation, not an outcome of implementation. To avoid this bit of a minefield, list another example like sustainability which will resonate with more people. It’s ok to leave adoption in your list, however, because there are differing opinions about its place.

BACKGROUND

1. “Multi-level variables” add an e.g., team-level, organizational-level, policy-level

2. You characterize QUERI as an example of “organization” – if you keep the QUERI example, it should be “health system.” A clearer example might be Klein & Sorra’s Implementation Effectiveness model (Klein, K. J. and J. S. Sorra (1996). "The Challenge of Innovation Implementation." The Academy of Management Review 21(4): 1055-1080.) at the organizational level. Also, you cite #15 (the IHI Breakthrough Series), this is related to QUERI
3. Bottom of page 5. Constructs related to the individual provider and those related to organization are examples, right? This needs to be indicated.

METHOD
1. This section should be called something like “Synthesis Method”

RESULTS
1. Move the 2nd, 3rd, and 4th paragraphs under METHODS in a subsection entitled something like “Measure Item Coding”
2. Bottom of page 14: did you include any unpublished measures that you were able to obtain from the authors? If so, then you should say that you did not include “unpublished and unobtainable” measures

DISCUSSION
1. You can considerably condense the 1st and 2nd paragraphs.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests' below