

# LEADING CHANGE TOOLKIT™

TO HELP CHANGE AGENTS AND  
CHANGE TEAMS MAKE LASTING  
IMPROVEMENTS IN HEALTH CARE

## Evidence-Based Practice Process Assessment Scale (EBPPAS)

### Pragmatic Testing and Content Validity Data

#### *Summary of Pragmatic properties*

The EBPPAS had an overall **objective pragmatic score** of **13** out of **20**. According to this objective pragmatic assessment, the EBPPAS' strengths include being available in the public domain, having acceptable language, and not requiring training for administration. The EBPPAS lost scores because interpretation of the total score is not clearly outlined and because of its length.

Based on five RNAO stakeholders, the EBPPAS was rated **2.2** out of **4** for **likelihood to use**. The EBPPAS has an overall **stakeholder facing assessments** score of **15.2** out of **24**.

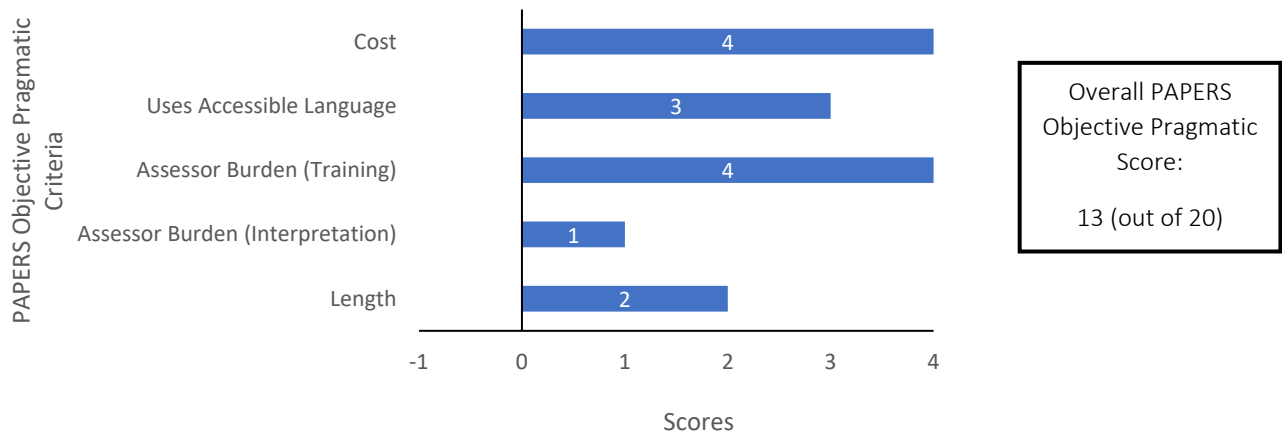
### Tool Pragmatic Properties

Tools were assessed for pragmatic properties with the PAPERS tool (Stanick et al. 2019); a validated tool for measuring a tool's acceptability, ease of use, appropriateness, and usefulness. Objective pragmatic properties were assessed by two research assistants independently and with consensus for each tool. Stakeholder facing pragmatic properties were assessed independently by at least two stakeholders (e.g., champions) for each tool. A mean score was calculated from participants' responses for each of the stakeholder facing PAPERS survey questions.

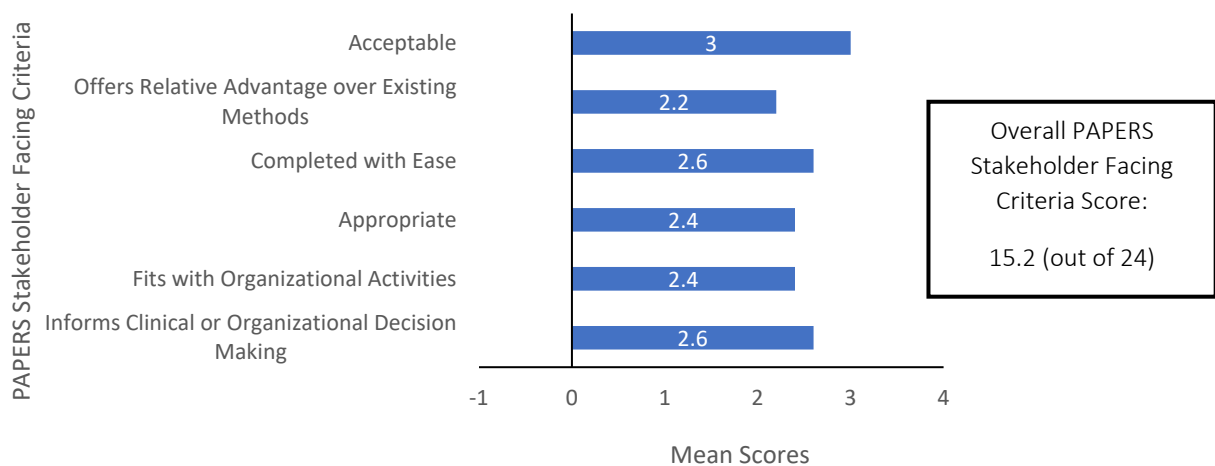
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## PAPERS Objective Pragmatic Criteria - Scoring details below



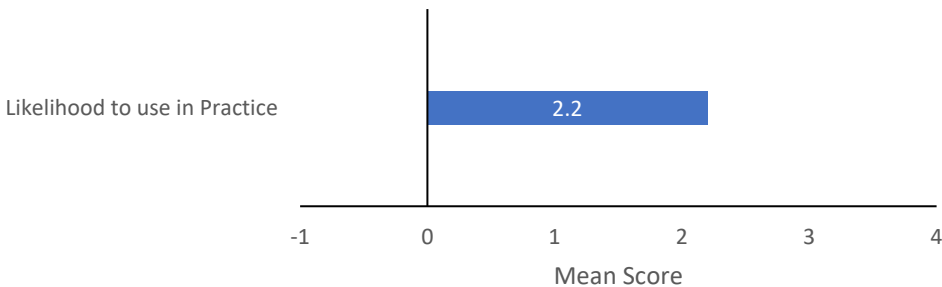
## PAPERS Stakeholder Facing Criteria (n = 5 stakeholders) - Scoring details below



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*Likelihood to Use the Tool in Practice (n = 5 stakeholders) - Scoring details below*



## Content Validity

### *Summary of Content Validity*

According to our assessment using an adapted version of a checklist by Mokkink et al. (2010), the EBPPAS has evidence of content validity.

Content validity refers to the degree to which the content of the tool is an adequate reflection of the construct being measured. In the case of the Evidence-Based Practice Process Assessment Scale (EBPPAS) tool, this refers to the extent that individuals can use the EBPPAS to assess barriers/facilitators and monitor knowledge use by measuring:

- Familiarity with the EBP process,
- Attitudes about the EBP process,
- Feasibility to engage in the EBP process,
- Intentions to engage in the EBP process,
- And, how often currently engaged in the EBP process.

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General Requirements	Yes	No
1. Was there an assessment of whether all items refer aspects of the construct to be measured?	X	
2. Was there an assessment of whether all items are relevant for the study population? (e.g., age, gender, disease characteristics, country, setting)	X	
3. Was there an assessment of whether all items are relevant for the purpose of the measurement instrument? (discriminative, evaluative, and/or predictive)	X	
4. Was there an assessment of whether all items together comprehensively reflect the construct to be measured?	X	

*Adapted from:* Mokkink, L.B., Terwee, C.B., Knol, D.L., Stratford, P.W., Alonso, J., Patrick, D.L., Bouter, L.M. and De Vet, H.C. (2010). The COSMIN checklist for evaluating the methodological quality of studies on measurement properties: a clarification of its content. *BMC medical research methodology*, 10(1), 1-8.

According to our assessment using an adapted version of a checklist by Mokkink et al. (2010), the EBPPAS has evidence of content validity.

#### Content Validity Requirement 1:

- Rubin and Parish (2011) demonstrated that each item in the questionnaire was relevant in measuring perceptions towards and use of EBP as each item loaded into a subscale that assessed these constructs.

#### Content Validity Requirement 2:

- The EBPPAS was assessed for face validity by social work experts and has been tested for reliability and validity by social workers and social work students from different geographical areas (Texas, Missouri, Toronto, and New York City) (Rubin and Parish, 2011).

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## Content Validity Requirement 3:

- The EBPPAS' tool developers have demonstrated that the EBPPAS' is sensitive at measuring changes in individual's perceptions regarding EBP pre- and post- education interventions which is the recommended purpose of the scale by its developers (Rubin and Parish 2010; Rubin and Parish, 2011).

## Content Validity Requirement 4:

- Lastly, Rubin and Parish (2011) performed a confirmatory factor analysis to demonstrate how most of the items in EBPPAS comprehensively reflect perceptions and use of EBP.

## Limitations:

- The authors outlined limitations (i.e., low response rate and response bias) to their study but provided reasons regarding how these limitations does not obviate the utility of their findings (Rubin and Parish, 2011).

## References

- Mokkink, L.B., Terwee, C.B., Knol, D.L., Stratford, P.W., Alonso, J., Patrick, D.L., Bouter, L.M. and De Vet, H.C. (2010). The COSMIN checklist for evaluating the methodological quality of studies on measurement properties: a clarification of its content. *BMC medical research methodology*, 10(1), 1-8.
- Rubin, A., & Parrish, D. E. (2010). Development and validation of the Evidence-Based Practice Process Assessment Scale: Preliminary findings. *Research on Social Work Practice*, 20(6), 629–640. <https://doi.org/10.1177/1049731508329420>
- Rubin, A., & Parrish, D. E. (2011). Validation of the Evidence-Based Practice Process Assessment Scale. *Research on Social Work Practice*, 21(1), 106–118. <https://doi.org/10.1177/1049731509347851>
- Stanick, C. F., Halko, H. M., Nolen, E. A., Powell, B. J., Dorsey, C. N., Mettert, K. D., Weiner, B. J., Barwick, M., Wolfenden, L., Damschroder, L. J., & Lewis, C. C. (2019, Nov 20). Pragmatic measures for implementation research: development of the Psychometric and Pragmatic Evidence Rating Scale (PAPERS). *Translational Behavioral Medicine*. <https://doi.org/10.1093/tbm/ibz164>



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van der Zwet, R. J., Kolmer, D. M. B. G., & Schalk, R. (2016). Social workers' orientation toward the evidence-based practice process: A Dutch survey. *Research on Social Work Practice, 26*(6), 712-722.